BUYERS' DIRECTORY NUMBER FOR FLEETS

NOVEMBER 1954

Transportation Library

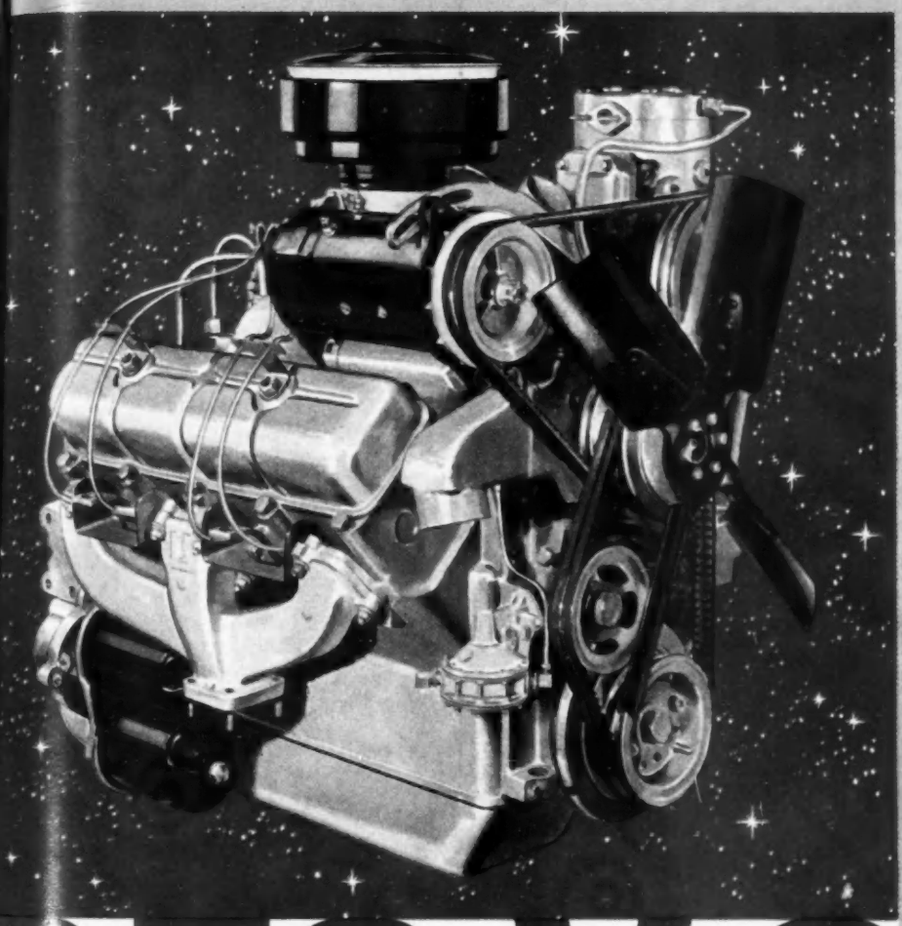
UNIVERSITY OF MICHIGAN

NOV 15 1954

TRANSPORTATION LIBRARY

CCJ COMMERCIAL CAR JOURNAL

THE MAGAZINE FOR TRUCK AND BUS FLEET OPERATORS



AT YOUR REO SHOWROOM NOW!

THE NEW, MIGHTY

REO V-8

GOLD COMET

195 H.P. - 220 H.P.

WEIGHT, 1211 LBS.

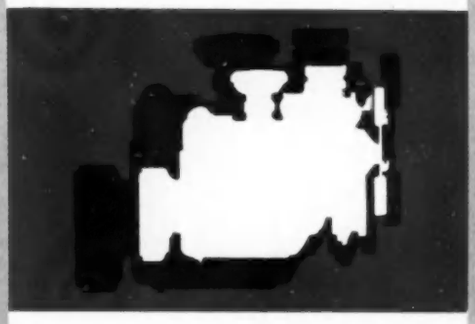
WITH ACCESSORIES

...ONLY 39½" LONG!

Never before has so much "dynamite" been packed into such compact space. New REO "Eager Beaver Commercial Series" conventional tractors with this remarkable new engine haul 35-ft. *square-nose* trailers without exceeding 45-ft. vehicle length. See these amazing new engines and new trucks today!

REO V-8

MOST POWERFUL V-8 TRUCK ENGINE EVER BUILT



- Shorter than other 170-225 h.p. truck engines by 5⅛" to 19¾".
- Delivers from 18% to 60% more h.p. per pound than other 170-225 h.p. truck engines.
- Output is a startling ½ h.p. per cu. in. of displacement (35% more than the average of all other gasoline engines of 360 cu. in. and larger).

REO 50TH ANNIVERSARY

REO MOTORS, INC.

"Engine" is our middle name!

Lansing 20, Michigan

Championship Performance by Aubrey Harper of Chattanooga, Tenn. . . . a driver for Super Service Motor Freight Co. Inc., of Nashville . . . won top honors in the straight truck class, 1954 National Truck Roadeo. He drove a Dodge H8-model (2-ton) truck with 150-hp. Power-Dome V-8 engine.

National roadeo champion wins with DODGE TRUCK!

DODGE TRUCKS GIVE YOU

- the shortest turning of any conventional trucks
- greatest visibility of any trucks
- roomiest cabs on the road
- only conventional V-8 tractors measuring 102" from bumper to back of cab
- most power in 32,000- to 48,000-lb. G.C.W. standard tractors
- world's most powerful low-tonnage trucks with 145-hp. Power-Dome V-8's

Wheeling a Dodge 2-ton truck with the sensational Power-Dome V-8 engine over the difficult course in record time, Aubrey Harper of Chattanooga, took first place in the straight truck event of the 1954 National Truck Roadeo. Mr. Harper was free to choose any make of truck that he wished. "I selected Dodge," Harper said, "because no other truck can match it for maneuverability, handling ease, and smooth V-8 power."

World's Best Trucks for the World's Best Drivers!

Year after year, in National Roadeos and in everyday use, Dodge trucks are the choice of champions. Expert drivers know that when the chips are down, they can depend on Dodge. They know that Dodge truck Power-Dome V-8's mean faster and more profitable trips, while Dodge cab comfort and handling ease mean "a better deal for the man at the wheel." See or phone your dependable Dodge truck dealer today! He's a good man to do business with!

THERE'S A BETTER DEAL FOR THE MAN AT THE WHEEL WITH

DODGE "Job-Rated" TRUCKS

You have to do your own thinking to get Low Delivery Costs

Bodies that dent easily, corrode excessively and weigh too much are no bargain at any price — the supply exceeds the demand because of their high costs for maintenance and operation. Low price is the only way some truck salesmen can sell. So, you have to do your own thinking to get low delivery costs. For instance:

How thick does body metal have to be to protect your pocket book against denting? Experience shows it should be ⅛" thick in the most vulnerable panels, but cheap bodies are only 1/30" to 1/20" in thickness.

How much should a delivery body weigh? If it's ⅛" thick aluminum alloy in vulnerable parts, it will weigh only 3 to 3½ lbs. instead of 6 or 7 lbs. per cubic foot of rated loadspace, including the rear bumper and step. Aluminum's saving of deadweight increases payload capacity and even permits the use of a lighter chassis without exceeding the rated capacity of tires, axles or springs.

How long should a body last before corroding? We think it should outlast the chassis, instead of rusting quickly and corroding so badly that it costs too much to repair, and nobody else wants it.

How much do body repairs cost if you buy the wrong body? Users who keep costs say that *thin* steel bodies cost twice as much for repairs as the bodies cost new. Heavy steel bodies are harder on tires, springs, axle bearings, king pins, spindles, brakes, clutches, put more strain on engine and cooling system and use more gasoline to move the excessive deadweight.

No wonder low-price body makers hesitate to show a sample of the thin metal they use and refrain from publishing body weights in their catalogs.

Aluminum Bodies by *Grumman* in a class by themselves

You can get thick, but lightweight Aluminum Alloy Bodies by Grumman with all the loadspace you need on a ¾ or 1-ton chassis — bodies that weigh less, dent less, corrode less, depreciate less, outlast the chassis, can be transferred to a new chassis or can be resold for more. Olson Bodies pay for *themselves* thru SAVINGS!

Write us or any Chevrolet, Ford or GMC Dealer for catalog and data. Then you'll understand why our orders exceed the increased output of these money-saving delivery bodies that are hard to get but worth waiting for.

OLSON KURB SIDE

BODIES BY *Grumman*

J. B. E. OLSON CORPORATION
1740 BROADWAY, NEW YORK 19, N. Y.

COMMERCIAL CAR JO

EDITORIAL STAFF

Charles Bartlett Rawson, Editor

Murray K. Simkins.....Managing Editor
Jack Colgan .....Assistant Editor
Ernest S. Forest .....Assistant Editor
Joseph Geschelin .....Detroit Tech. Editor

Leonard Westrate ....Detroit News Editor
R. Raymond Kay.....Pacific Coast Editor
Howard Kohlbrenner .....Art Director
George Baker, Ray M. Stroupe, Neil R. Regeimbal.....Washington News Editors

Marcus Ainsworth .....Statistician
Paul Wooton .....Washington Member of the Editorial Board

THIS MONTH'S FEATURES

ANNUAL FLEET OPERATORS BUYERS' DIRECTORY begins on page 71

All the way from abrasives to wrist pins, a complete listing of manufacturers of trucks, trailers, component parts, equipment, parts, shop supplies and everything else needed to keep fleets at top efficiency.

Fleetmen's Association Directory..... 87

It includes national groups of value to fleet operations, state truck and bus associations, SAE local sections and local fleet organizations.

Fleet Training Course School Directory..... 237

A state-by-state list of schools interested in serving fleetmen by making possible courses in fleet operation, maintenance and safety.

SHORT ARTICLES

Truckstell's 2 & 3-Speed Auxiliaries.....296

The 3-speed auxiliary transmission is also available with a built-in, variable speed, power take-off.

Studebaker's 1955 Line.....298

It features 7 truck models, 3 engines. Automatic transmission is available as option in 1/2 and 3/4-ton models.

Mack Offers New Pusher Bogie.....301

Drive is through dual reduction type rearward axle equipped with dual wheels. Forward axle has single tires.

DEPARTMENTS

The Overload 5
At Your Service.....9
Up Front with CCJ.....17
Dates and Doings.....22
New Product Descriptions.....54
Fleetman's Library.....56
New Truck Registrations.....64
Laugh It Off.....66
Bulletin Board 68
November News Roundup.....302

BPA

COMMERCIAL CAR JOURNAL
with which is combined Operation & Maintenance
Reg. U. S. Pat. Off. Member B.P.A.

G. C. BUZBY, President and Manager, Automotive Division
E. H. MILLER, Adv. Mgr. E. W. HEVNER, Cir. Mgr.
C. W. HEVNER, Research Manager

COMMERCIAL CAR JOURNAL is published monthly by Chilton Co., N. W. Cor. Chestnut & 56th Sts., Philadelphia 39, Pa. Subscription price: United States and Possessions, $3.00 per year; all other countries $10.00 per year. Single copies 50¢, except Apr. and Nov.—$1.00. Acceptance under Section 34.64 P. L. & R. authorized.

NBP

REGIONAL MANAGERS
HARRY T. LANE, Chicago
CURTIS F. MOSS, Chicago
H. M. WERTZ, Chicago
JACK C. HILDRETH, Cleveland
WILSON HOWE, New York City
E. E. ELDER, Detroit
J. A. LAANSMA, Detroit
RUSSELL W. CASE, JR., Philadelphia
R. J. BIRCH, San Francisco
FRANK W. McKENZIE, San Francisco
L. H. JACKSON, Los Angeles

OFFICES
Philadelphia 39, Pa.—Chestnut & 56th Sts., Phone Granite 4-5600
New York 17, N. Y.—100 E. 42nd St., Phone Oxford 7-3400
Chicago 1, Ill.—Rm. 916 London Guar. & Accident Bldg., Ph. Franklin 2-4243
Detroit 2, Mich.—1015 Stephenson Bldg., Phone Trinity 5-2090
Cleveland 14, Ohio—1030 National City Bank Bldg., Phone CHerry 1-4188
Washington 4, D. C.—1091 and 1093 National Press Bldg., Phone Sterling 3-1844
San Francisco 4, Cal.—300 Montgomery St., Phone DOuglas 2-4393
Los Angeles 5, Cal.—3156 Wilshire Blvd., Phone DUnkirk 7-2119

JOURNAL

NOVEMBER 1954 VOLUME LXXXVIII, No. 3

Copyright 1954 by Chilton Company (Inc.)

Is This the Army, Mr. Jones?

(September, page 90)

Integration of military forces still permits healthy jealousies between services as the following excerpts from two recent letters commenting on the above article show:

Wrote Lt. Col. W. E. Gudjunis, USAF, Motorized Branch Directorate of Maintenance-Engineering, Deputy Chief of Staff, Materiel:

"Of specific interest is an article in your September 1954 issue entitled 'Is This the Army, Mr. Jones?' Having a knowledge of vehicles within the military departments, I find this article quite factual with one exception. This exception is the statement made in the sentence beginning on the bottom of page 91 and ending at the top of page 121, which I quote, 'Following the Army's lead, the Air Force and Navy undertook similar programs within their Services.' This statement is untrue in that the Air Force did not follow the Army's lead. The Department of Air Force had entered into the commercial vehicle field several years ago."

Wrote Rear Admiral John R. Perry, CEC, USN, Chief of Bureau of Yards and Docks:

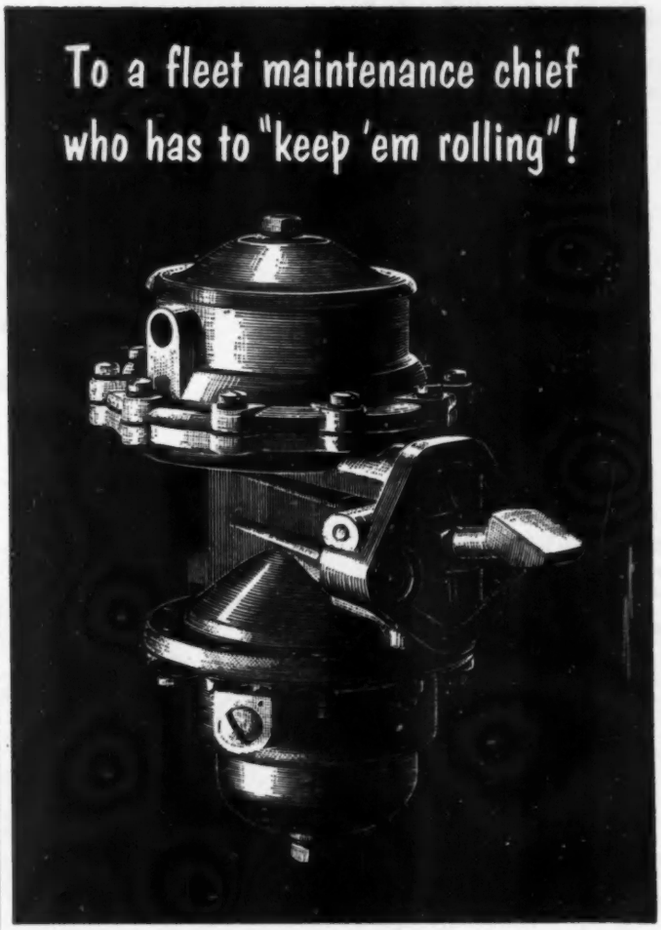
"By tradition, since the first truck was procured, commercial type vehicles have been used by the Navy with the exception of vehicles used by amphibious forces overseas and those vehicles used during World War II when commercial types were not available. The Navy, therefore, has always maintained leadership in this area of the automotive field."

We hope the above quotes will set the record straight, avoid a similar assault landing from the Marines . . . The Editors.

One of the Publications Owned by
CHILTON COMPANY (INC.)
Executive Offices
Chestnut and 56th Streets, Philadelphia 39, Pa., U. S. A.

Officers and Directors
JOS. S. HILDRETH, *President*
Vice-Presidents
G. C. BUZBY — HARRY V. DUFFY
WILLIAM H. VALLAR, *Treasurer* — JOHN BLAIR MOFFETT, *Secretary*
GEORGE T. HOOK — MAURICE E. COX
TOM C. CAMPBELL — FRANK P. TIGHE
L. V. ROWLANDS — ROBERT E. McKENNA
P. M. FAHRENDORF — IRVING E. HAND
EVERIT B. TERHUNE, JR.

To a fleet maintenance chief who has to "keep 'em rolling"!



Here's Hygrade's pump with the "never-say-die" diaphragm

Nobody has to tell *you* that it's the diaphragm that makes or breaks a fuel pump. You've seen too many perfectly good pumps fold up after only a few thousand miles because the diaphragm "went".

Here's HYGRADE'S solution — the one-piece, non-corrosive *Monoflex* diaphragm that *lasts for the life of the pump.* And it's not just the rugged material in it that makes *Monoflex* the longest-lived diaphragm on the market—it's also the way it's fitted. The diaphragm is so tightly sandwiched between the smooth casting surfaces that not even the *smell* of gas can escape.

Its great diaphragm isn't the only reason for this HYGRADE fuel pump's popularity with fleet men. For instance, the rocker arm is heat-treated for extra strength and minimized wear. And its valve springs are phosphor bronze, oil-treated, remain perfectly elastic.

Write our engineering department for complete details. That's HYGRADE PRODUCTS DIVISION, Standard Motor Products, Inc., 37-18 Northern Boulevard, Long Island City 1, New York

HYGRADE

Carburetor Kits • Fuel Pumps & Kits • Speedometer Cables & Casings

LESS COST PER MILE with National KATHANODE

Multi-Power BATTERIES

In every type of bus, truck or diesel operation we have been able to reduce costs. This program is available to you — no obligation. Your National jobber will gladly arrange a date for this worthwhile assistance — Call him today.

GOULD-NATIONAL BATTERIES, INC.

ST. PAUL 1, MINNESOTA

The OVERLOAD

EDITORIAL COMMENT

What's Between a Truck Convention and a New Car Preview?

THE FIRST six weeks of fall mean many things to many people. For the truck and bus industry it's been open season on conventions. In our own Dates & Doings columns we listed 34. If anybody has a right to be fed up with conventions, we do. But we're not. For each and every one serves a worthwhile purpose for the segment of the industry it serves.

Obviously we did not make them all. But we made enough to catch the flavor of what's going on. We found it intriguing to hunt for a common denominator in meetings held by such divergent groups as local cartage truckers and intercity bus operators or by such widely separated specialists as design engineers and safety supervisors.

We think that there is such a common denominator and that it can be summed up in two of our favorite words—Public Relations. Only trouble is that not enough people realize how related their public affairs really are.

Truck Transportation Week is an example. Officially scheduled for the week of November 15, we're very much afraid it has gone with the wind of intra-industry confusion. Yet in these same first weeks of fall, segments of the nation have successfully observed such episodes as "Alaska Transferred to the U. S. Day," "Save the Horse Week," "Poetry Day" and "Cleaner Air Week."

Probably you did not know about these. But you would have had you been a horseman, a poet or an air pollution specialist. Seems sort of silly doesn't it, that such interests can put their weeks across, but the giant of them all—the truck industry—can not?

That's one reason behind the association series which we began last month with "You and ATA" and will resume next month with "You and Your State Truck Associations." It is our hope that the series will do much to promote a better understanding between all the interests serving the industry.

But meanwhile we'd like to call attention to another series of events that has been taking place during recent weeks—the new car previews. Probably few of you have been privileged to attend the inner sanctum mysteries of a press preview of a major car announcement.

If you have you would probably recognize two elements. First, you would note that they are costly affairs well flavored with fanfare and, yes, pure corn. Second you would note they create a most favorable public opinion toward the line; that they help sell new cars!

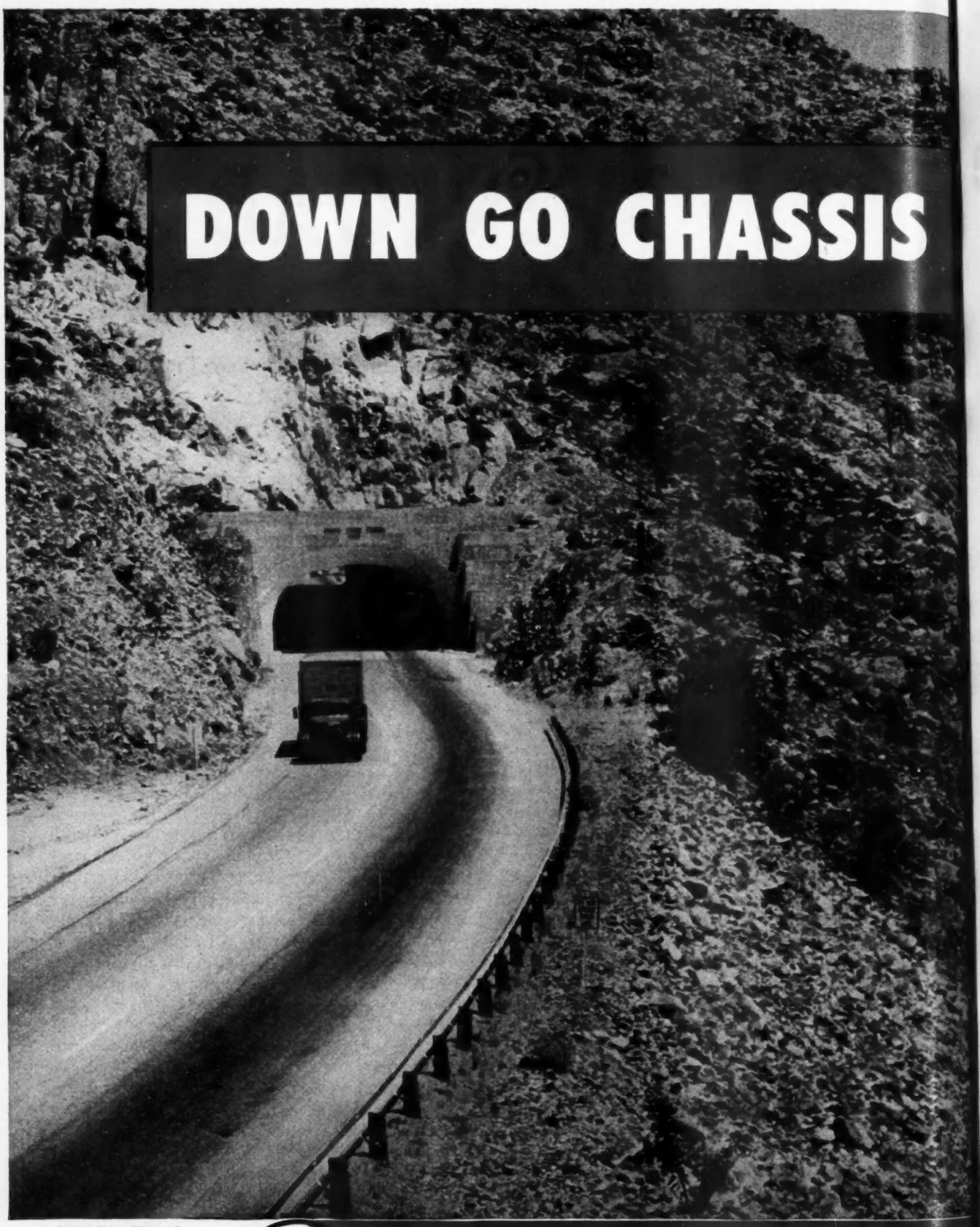
This may well be the first time that a comparison has been made between new car previews and the far more prosaic job of selling the truck industry to the public. But we believe it's both timely and valid.

If the same push could be put behind selling the industry to newspaper editors and writers as goes into selling a new car, it would pay big dividends. Example: In Michigan recently a newspaper editorial apologized for highlighting some overload violations, said these must be embarrassing to the organized industry.

Or if the same fanfare could be put behind selling the industry to the public as goes into displaying the new cars, the dividends would be real. Example: A huge truck parade in Philadelphia last month carried Miss Pennsylvania to open the state's annual celebration week.

At your next convention or through your own continuing public relations activities, how about giving a little more thought to selling the industry to John and Jane Doe? They may not admit it, but they're used to fanfare and they love it!

Bart Rawson
Editor



TUNE IN...TEXACO
STAR THEATER
starring
DONALD O'CONNOR
or JIMMY DURANTE
on television...
Saturday nights, NBC.

TEXACO
REG. T. M.

TEXACO

At Your Service

TIMELY NOTES ON MAINTENANCE AND OPERATION

by MURRAY SIMKINS Managing Editor

Caution—Sodium-Cooled Valves

McQUAY-Norris suggests that special care be used in disposing of worn-out sodium-filled valves. They should not be allowed to lay around or thrown in with ordinary scrap steel and iron. Sodium reacts violently with water, so that if the cavity is opened, the presence of any moisture may result in serious fire or burns.

It is therefore wise to segregate such valves. They should not be used for punches or other tools by the mechanics. Best to bury them or dump them into a good-sized body of water.

There is no distinguishing appearance of the sodium-filled valve except that the stem is larger in diameter and there is no weld near the top of the stem showing a color difference as there is in most two-piece premium type valves. McQuay-Norris products are marked with the words "Sodium-cooled" and "Etonite" stamped on the heads.

Chevrolet Valve Noise Remedy

ACCORDING to a Chevrolet Technical Service Bulletin, it is recommended to drill an additional hole in the rocker arms of 1954 Chevrolet Power-Glide engines if a squeaking or squawking valve noise is encountered. This operation will provide additional lubrication between the rocker arms and valves, plus slightly more oil between the valve stems and guides. It is pointed out, however, that valve squawking in engines that are used in service requiring long periods of idling cannot be eliminated without the possibility of excessive oil consumption and eventual sticking of the valves.

Factory recommendation is to drill an additional 7/64-in. hole in all inlet and exhaust rocker arms. These holes must be very carefully located. In the inlet rocker arms, the hole must be exactly 5/16 in. toward the valve stem end from the original hole and must be drilled straight through the rib into the center of the oil groove.

In the exhaust rocker arms the hole must be located 13/16 in. toward the valve stem end from the original hole but must not be drilled through the rib into the oil groove. Instead, notice that the rib is not in the center of the body and locate this hole 5/16 in. in from the edge of the wide side of the body. Remove any burrs and all metal cuttings. Do not close up the original holes. In view of this operation possibly increasing oil consumption, it would be well to check the oil mileage before and after it is performed. If the increase should be objectionable, it is relatively simple to wholly or partially close up the second holes with a small lead shot.

Tips on LP Gas Conversion

FLEET operators who are considering converting their units to operate on liquid propane gas may find some useful information out of a talk given recently by John Popp, western manager, Solgas Division, Sun Oil Co., to the Equipment and Maintenance Division of the Michigan Trucking Assn. Considerable care should be exercised in modifying the engine to obtain maximum efficiency at lowest cost, he said.

1. Select the proper engine. The power plant should be new, rebuilt, or one that does not have more than 15,000 miles. While propane will cut carbon, it will not remove the substance from an engine which has more than 15,000 miles of wear on it.

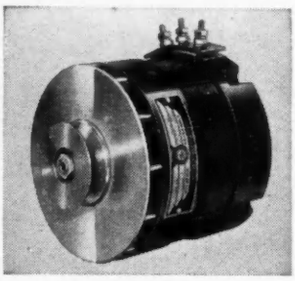
2. Change carburetion system. This is done by replacing the standard carburetor with a gas-air mixer and installing an electric solenoid to increase the flow of propane. The standard

(TURN TO NEXT PAGE, PLEASE)

Plain talk about maintenance expenses, operating costs and Leece-Neville Alternators

It takes a few words to explain why so many fleet operators are convinced that L-N Alternators save money, but if you are concerned with reducing costs, it could pay you to read the rest of this story.

As you may know, the Alternator is an a.c. generator that replaces the d.c. generator. A simple dry-plate rectifier converts the a.c. to d.c.



L-N ALTERNATOR (A.C. Generator)

Because the Alternator has *no commutator,* you have no commutator troubles, no expenses for armatures. Think what that saves you! A complete overhaul of an L-N Alternator involves just replacing six small wearing parts, costing only a few dollars.

NO RUNDOWN BATTERIES

L-N Alternators generate a charging current of 18 to 40 amperes *with engine idling.* That's important if your fleet has much idling time, short trips, slow driving. Or your fleet may need extra current for lights, heaters, fans, radios, etc. L-N Alternators handle this load with capacities of 50 to 95 amps. for 6-volt systems; up to 180 amps. for 12-volt.

In both cases, L-N Alternators keep batteries up, keep vehicles rolling, reduce costs for idle time, service trucks, battery charging and replacement.

ACCURATE VOLTAGE SAVES YOU MONEY

The rugged L-N Regulator holds voltage within 2/10 volt of setting, protects all electrical parts. One fleet claims that savings on sealed beam lamps paid for their Alternators!

RELIABILITY UNMATCHED

Fleet records show the major cause of downtime is electrical failures . . . almost unheard of with the rugged, heavy-duty Leece-Neville Alternator System, proved by performance since 1946.

That in brief is how L-N Alternators can cut costs on your fleet. For *all* the facts write The Leece-Neville Company, Cleveland 14, Ohio. *Distributors in principal cities . . . service stations everywhere.*

YOU CAN RELY ON Leece-Neville ALTERNATORS

CCJ At Your Service

Continued from Page 9

fuel tank should be replaced with a propane unit.

3. Increase compression ratio. On overhead valve engine the ideal ratio is 8-8½ to 1, while on the L-head engine it should be between 7-8 to 1. To get this compression the operator can shave off the head. The head should be milled with care, preferably at a shop, and not on a grinder. Get the manifold cold to get more charge into the cylinder. Keeping the manifold cold is accomplished by separating the riser and wrapping the intake manifold with asbestos.

4. Next, change the ignition timing. A distributor with a 20 engine degree advance (manuufacturers' specification) should be set at 10 deg. maximum advance. Cut the latter number in half and add to the flywheel setting.

5. Carburetion adjustment: The main jet should be set for maximum power to get near peak economy, and not more than ½ full air ratio leaner for maximum economy. Set plunger for not more than 1 ratio leaner with economizer in operation. Adjust the idle.

For best operation, the solenoid on the mixer should be set for the coldest day in winter. In this manner it will work on the hottest day in summer without having to undergo setting changes. After the engine is converted to propane, it should be checked once after two months of operation. It is recommended that one grade of propane be used all the time after the engine is set. Add oil that is one grade lighter.

If these procedures are followed, the operator will be able to save 5 to 20 per cent on fuel costs and cut maintenance costs up to one-half with propane. Cost of such conversion generally is about $300.

Better Valve Life in IHC Engines

INTERNATIONAL Harvester Co. states that the exhaust valve Part No. 38002HA as used in the FAB engines gives satisfactory service at a moderate price. It is not recommended, however, for the BLD and BD-269 engines.

For these latter engines the 65718 R1 should be used. It is stellite faced and will provide

(TURN TO PAGE 12, PLEASE)

I'm not *really* so smart, Miss Murphy—
I was out to save pennies and DOLLARS rolled in!

DON'T tell The Boys, Miss Murphy—but when I specified full-depth AIRFOAM cushioned seats in all new trucks, I was thinking mainly of repair and replacement savings.

You see, the Goodyear people showed me proof upon proof of other trucking outfits getting 150,000 miles and more without a seat repair or replacement*—so I went for AIRFOAM!

I never realized AIRFOAM could make a big enough *comfort-difference* to actually show up on our time sheets! I'm still amazed at how Our Boys are driving rings around the competition! They're more alert, more on-the-beam—more willing-and-able than they've ever been before!

But don't tell on me, Miss Murphy. A veteran trucker like me should *know* it pays to take care of the men in the drivers' seats!

* *From actual on-the-job fleet records. If you'd like to see more of them, write Goodyear, Automotive Products Dept., Akron 16, Ohio.*

AIRFOAM contains over half a MILLION air cushions to each cubic inch! That's why AIRFOAM cushioned seats "breathe" with every motion—stay cool, fresh and buoyantly comfortable for the life of the truck!

Airfoam MADE ONLY BY GOODYEAR

THE WORLD'S FINEST CUSHIONING

Airfoam—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

Job-Fitted

IN DESIGN AND CONVENIENCE

Here is a sturdy, medium priced pedestal seat that will 'fill the bill' for panel trucks, and many other types of mobile equipment.

Contour seat padded with foam rubber, covered with genuine black flexible leather. Manual vertical adjustment. Base of pedestal will be engineered for adaptation to your particular application.

Write today for a Milsco cushion seat catalog showing the complete line of Milsco seating.

Sold only to manufacturers of original equipment.

Milsco MILWAUKEE

MILSCO MANUFACTURING CO.
Dept. T, 2738 N. 33rd St., Milwaukee 45, Wis.

CCJ At Your Service

Continued from Page 10

longer life when used in conjunction with valve insert 42740 H standard; 126501R1, 0.15 in. O.S.; or 52641HA, .030 in. O.S.

Exhaust valve No. 38002HA will be continued in parts stock but recommended for the FAC-241, FAC-259 and BLD-250 engines only.

Painting Aid Available

HELPFUL hints for the preparation and use of Quik-Wink lacquer primer-surfacer for automotive refinishing form the basis for a dope sheet now being distributed by The Arco Co., Cleveland, Ohio.

The dope sheet contains complete, specific instructions for the use of this lacquer primer-surfacer, including a summarized list of the "do's" and "don't's" to be followed for best results. A copy is available upon request to The Arco Co., Cleveland.

Short Cuts to Decal Buying

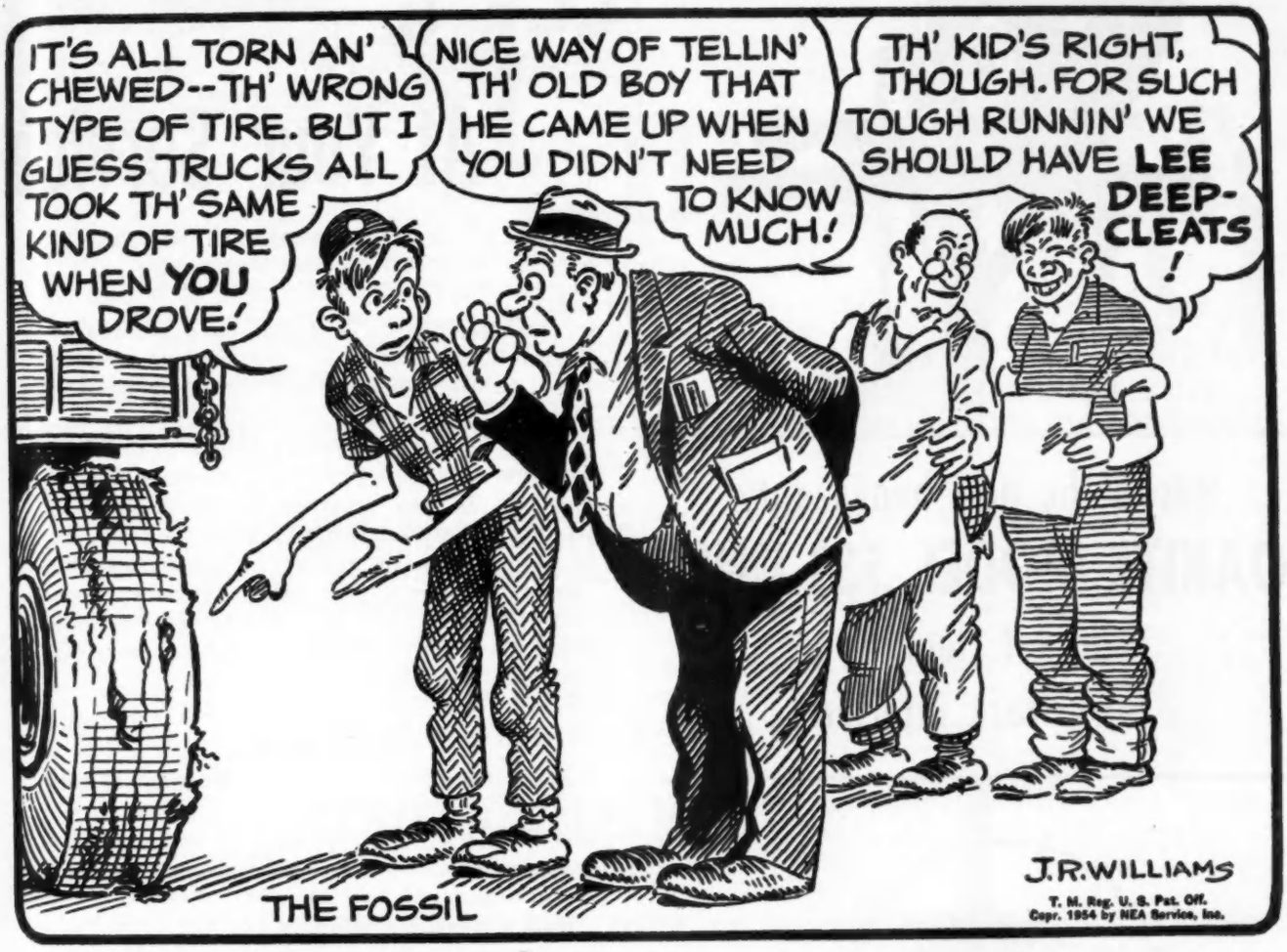
THE Meyercord Co., Chicago, has put the old familiar checker board to work as a solution to a knotty sales problem. A "checker guide" measuring 3 by 12 in. in size is divided into 36-in. square "checkers." This guide, printed on heavy paper stock is offered to truck and fleet owners interested in decal signs for their vehicles. The checker guide is temporarily attached, in turn, to the front, side and rear of the truck and each perspective is photographed with any camera available. The prints are then sent to Meyercord with a built-in guide that can be translated to the exact dimensions of the sign required.

Free Filtration Survey Offered

A NEW service for fleet operators—a complete survey of filtration needs covering all fleet-operated vehicles—is offered free by the WIX Corp., Gastonia, N. C. The survey is conducted by a WIX-trained filter specialist who checks every filter-equipped engine maintained by the fleet, noting vehicle number, make and type of vehicle or engine, oil filter type, whether for lube or fuel oil, and the correct replacement cartridge for each filter.

(TURN TO PAGE 14, PLEASE)

OUT OUR WAY **BY J. R. WILLIAMS**



BRUTE STRENGTH FOR BRUTE JOBS

New Lee Super DeLuxe Deep-Cleat will handle 'em with ease!

This is the strongest tire Lee has ever produced, designed especially for use in logging, mining, quarrying. The brute-strength carcass is so tough no impact can bruise it through without first bending or breaking the wheel or rim—gives longer life for multiple recaps. The Cushion-Claw tread is about 60% deeper than that of standard highway tires and is compounded for incredible resistance to chipping and tearing. Lee's exclusive Flexlok process makes cord separation from the rubber bond practically impossible, thus providing super resistance to violent flexing. Here's peak off-the-road performance for drivers old and young!

There's a LEE TIRE that's BEST for every trucking need

FREE!

8½" x 11" J. R. Williams color-cartoon shop posters . . . promoting correct truck-tire maintenance. You'll get a new one every month . . . order as many copies as you need.

LEE TIRES

Lee Rubber & Tire Corporation
Conshohocken, Pa.

Please send me each month for six months___copies of the current J. R. Williams tire-maintenance poster. Send also catalog information about Lee Tires for .....
(type of service)

Company_____

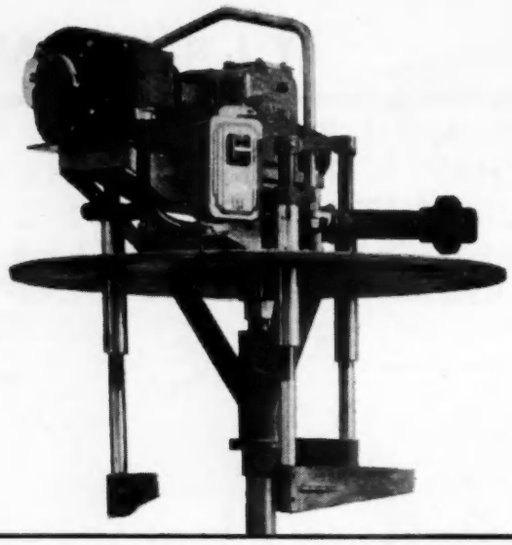
My name_____

Street_____ 2L

City_____ Zone_____ State_____

Please attach coupon to your company letterhead

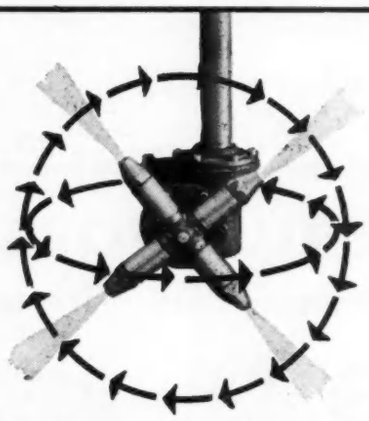
LEE RUBBER & TIRE CORPORATION • CONSHOHOCKEN, PA.



Here's the new heavy-duty

OAKITE MODEL 531 UNIT

for jet cleaning tank truck interiors



Powerful detergent sprays from this precision-built Oakite Cleaning Unit revolve slowly in a vertical plane. At the same time the mechanism, on which the nozzles are mounted, turns in a horizontal plane. Because of this combination vertical-horizontal movement, the powerful jets of Oakite Detergent Solution are directed to every square inch of soiled interior surface.

For further details on this more effective Oakite method of cleaning the interiors of tank trucks, as well as for information on the low-cost Oakite rental plan, see your nearby Oakite Technical Service Representative. Or write Oakite Products, Inc., 26D Rector Street, New York 6, N. Y.

SPECIALIZED INDUSTRIAL CLEANING

OAKITE

REG. U.S. PAT. OFF.

MATERIALS • METHODS • SERVICE

Technical Service Representatives in Principal Cities of U. S. and Canada

ccj At Your Service

Continued from Page 12

This information is placed on a permanent record form along with inventory control data based on the number of engines requiring each filter cartridge and the cartridge-replacement interval for each vehicle in fleet service. This complete data, in a protective, glassine display envelope, is then returned to the fleet maintenance superintendent. Hung on the wall, or placed conveniently in his files, this permanent record provides a time-saving inventory control system as well as a handy maintenance guide showing the right cartridge for every oil filter on every engine.

What's New

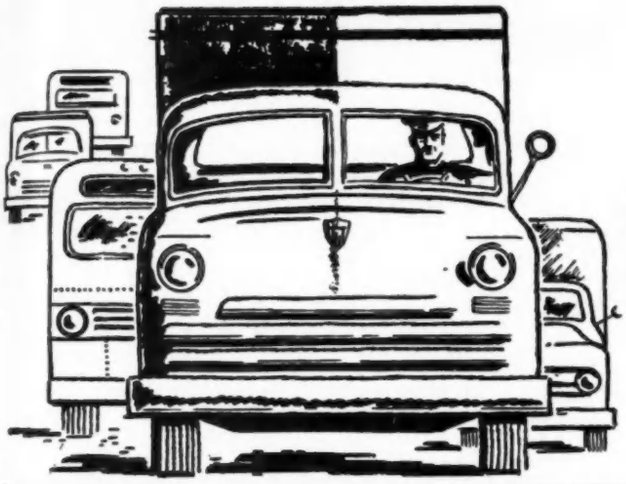
A complete line of **wet cylinder sleeves,** for all truck and tractor engines, is being introduced by Dura-Bond Engine Parts Co. With these new wet sleeves, both the top ring and the oil ring are made of chrome.

Wolf's Head Oil Refining Co., Oil City, Pa., has a new "Multi-Duty" **multi-range oil,** covering SAE 10W-20W-30 grades and meeting all requirements for MS and DG service.

Tubeless tires have been made standard equipment on five International light-duty truck models—the International 100, R-102, R-110, R-111, and R-112.

The new Turbo Action **spark plug** developed by Champion Spark Plug Co. is said to offer maximum performance at both ends of the heat range. A larger clearance volume in this 18 mm. design permits more effective "charge cooling." That is, the comparatively cool incoming fuel charge reduces the temperature of the spark plug insulator tip and minimizes pre-ignition at high-power with high turbulence. This improved cooling, in turn, permits use of a relatively long insulator firing end.

A long insulator maintains a temperature high enough to minimize fouling at low speeds and low power, where "charge cooling" is less pronounced. The amount of fuel deposits which can accumulate on the spark plug in a given period of time is greatly reduced, while the amount of fouling that can be tolerated is greatly increased. The increased clearance volume facilitates cleaning and servicing of the spark plug when necessary.



UP FRONT WITH CCj

FLEET HIGHLIGHTS OF THE MONTH AS REPORTED BY COMMERCIAL CAR JOURNAL

MR. EXECUTIVE Plans are being made now to spend $100 billion on highways in the next ten years. The President's Advisory Committee on a National Highway Program (Oct. page 18) estimates total construction needs for all streets and highways from 1955 through 1964 at $101,365,000,000. Of this total only $46.8 billion is estimated to be available during the ten-year period under present methods of financing. How the $50 billion balance was to be raised was the subject of public hearings held last month. Views of major groups presented at the hearings appear on page 19, this issue.

CONVENTIONEERS have been working overtime during the past few weeks. A quick run down on only the national events would include:

AMERICAN TRUCKING ASSNS. met for a solid week end of last month in New York City, discussed problems of the industry, was more spectacular than ever. Though not confirmed at press time, the election of Neil J. Curry, California Cartage Co., as president was a foregone conclusion.

NATIONAL SAFETY CONGRESS at Chicago saw 14,000 safety specialists go to work. Largest single group was the fast growing Commercial Vehicle Section that divided its time between speeches and work shop sessions. Frank J. Wirken, Interstate Bakeries Corp., was named section chairman.

SOCIETY OF AUTOMOTIVE ENGINEERS National Transportation Meeting, held in Boston, made engineering history when some thought-provoking papers challenged truck and bus operators to bigger and better goals in maintenance and operation. Highlights from these papers are scheduled for the December issue.

AMERICAN TRANSIT ASSN., with attendance totalling over 1000, met in Pittsburgh, Pa. The three-day meeting was termed "one of the most enthusiastic meetings in the history of aTa." It produced evidence that the transit industry was headed for greener pastures. Donald C. Hyde, Cleveland Transit System, becomes president for the year ahead.

NATIONAL ASSN. OF MOTOR BUS OPERATORS convened in Chicago with an attendance of 600 intercity bus men. They discussed taxes, labor problems, safety, highway transportation of mail and ride promotion.

NATIONAL AUTOMOBILE TRANSPORTERS ASSN., meeting in Detroit, dug into third-structure taxes. Discussion of the subject was highlighted by comments from Rep. Charles Oakman. H. L. Taylor, Bolin Driveaway, was elected chairman.

DETROIT DISPATCH

NEW SEALED BEAM HEADLAMPS ARE expected to appear on new vehicles as soon as the last 22 states give legislative OK sometime next spring. Where already approved, they will be available in the replacement market soon after the first of the year. Features of the new units include increased wattage (from 35 to 40), a filament shield, a restyled lens. The changes give more direct light on the road, less stray upward beams, up to 80 per cent more light on the right hand side of the road, reduced glare for the oncoming driver, greater penetration through rain, fog, dust or snow.

FLEET MODEL PASSENGER CARS WILL all be "out" within a few days after you read this. Studebaker announced last month and Chevrolet, Ford and Plymouth are now in production, will "unwrap" soon. Studebaker's Champion is an L-head six, the others are offering both V-8's and sixes. All have standard or automatic transmission available, and Chevrolet offers an overdrive option with its standard unit. All have modified versions of the wrap-around windshield as standard. Plymouth and Chevrolet have extensive chassis improvements and all feature new styling.

TIRE PRICES MAY be up by the end of the year. Both General Tire & Rubber and Goodyear Tire & Rubber have forecast increases.

NEW MODEL TRUCK ANNOUNCEMENTS WILL be later than usual, coming after the first of the year. Exceptions are Studebaker and Ford (Pages 298 and 306, this issue). Trend to V-8 en-

gines is incre
a V-8 option
reports that
75 per cent
V-8 percent
models, 10 c
are 100 per

DIESEL ENG
be announc
It is a modi
150 hp unit
charging.

PLASTIC
tested by U
page 90) h
Laminates,
signed a co
Strick is
type, plast
body for C

WASHINGTON RUNAROUND

"PIGGY-BACK" PLANS ON the New York Central were halted last month. The railroad, which planned $5 million worth of terminals to handle trailers of highway common carriers, will continue to study the possibility. One reason advanced for the postponement was the railroad's deficit of $6 million during first eight months this year. Said Private Truck Council of America, the NYC may consider adopting the idea of hauling their own trailers instead of offering service to highway common carriers.

"PIGGY-BACK" HEARINGS HELD middle of last month (I&S Docket 6214) resulted in three motor carrier rate conferences saying that "captive piggyback" service ". . . under present rates, has not become a serious competitive factor." Next date to watch is Nov. 30, deadline for briefs in the case. It is expected that some truck lines will carry the case to the courts should the ICC find the railroad's motor carrier competitive rates on "captive piggyback" reasonable.

"CAPTIVE PIGGY-BACK" MAY be offered to connecting highway common carriers. Brought out in the ICC hearings was the fact that railroads hauling their own trailers were considering making agreements with truck lines to short haul trailers to major flatcar loading points for long haul moves. Kansas City Southern Lines, a rail carrier not involved in the rate case, has begun a "trial period" of such service connecting with highway common carriers at Dallas, Texas, and New Orleans, La.

ATA FOUNDATION HAS $50,000 more for its public relations work on behalf of the trucking industry. It represents the second contribution from Trailmobile, Inc., who gave a like amount last year.

OHIO AXLE-MILE TAX OPEN hearings will not be held as announced last month (Oct. page 19). The House Interstate Commerce Committee staff, up-to-the-middle of last month, said no public hearings are planned.

E. F. HAMM, JR., speaking before the Central Motor Freight Assn., noted that no new plan of reorganization involving the ICC Bureau of Motor Carriers has yet gone before the Commission.

Hamm, I
comment
any prop
Commissi
motor ca

AMERIC
sponding
hour inf
middle
a plan f
the wor

ATA LA
the indu
ing gro
on Tra
ization
ful anal
tion to
". . . th
railroa
a spri
their p
to lau
gram
their i
means

JOHN
Coordi

gines is increasing. Dodge, which has a V-8 option in all but its heaviest line, reports that V-8's, account for about 75 per cent of all orders. Ford says V-8 percentage is about 63 on light models, 10 on mediums. Heavy Fords are 100 per cent V-8.

DIESEL ENGINE FOR 3-ton trucks will be announced by Cummins in January. It is a modified version of the present 150 hp unit boosted to 165 hp by turbocharging.

PLASTIC DELIVERY BODY BEING tested by United Parcel Service (Oct., page 90) has passed its first test. Lunn Laminates, Inc., maker of the body, has signed a contract with UPS for 20 more. Strick is presently building a prototype, plastic, 17-ft, milk bottle truck body for Carnation Milk Co.

Hamm, ICC Managing Director, also commented, "Before action is taken on any proposal . . . , I feel sure that the Commission will listen to the views of motor carrier leaders and spokesmen."

AMERICAN TRUCKING ASSNS., responding to the suggestion, had a two-hour informal conference with the ICC middle of last month. ATA suggested a plan for strengthening and improving the work of the BMC.

ATA LAST MONTH ALSO spoke up for the industry in a statement to the working group for the Cabinet Committee on Transportation Policy and Organization (Oct., page 17). After a careful analysis of the railroad's presentation to the group, ATA's concluded, ". . . that the principal purpose of these railroad assertations is to try to create a springboard of prejudice against their principal competitors from which to launch a railroad legislative program designed to harass or destroy their independent competitors by one means or another."

JOHN P. DENNIS HAS been named as Coordinator of Defense Transportation.

HIGHWAY TRENDS

AT PRESS TIME IT WAS anybody's guess as to what the final proposals would be in regards the President's $100 billion, 10-year highway program. The Advisory Committee on a National Highway Program, headed by Gen. Clay, was expected to report Dec. 1, but two other groups will have something to say before the suggestions are in final form—the special Governors' Committee headed by Gov. W. J. Kohler (Wis.) and the Interagency Evaluating Committee with Bureau of Public Roads Commissioner Francis V. DuPont as chairman. One thing fleetmen could be sure of: State legislatures will have the final word. They will have to enact the laws to put the proposals into effect.

MAJOR GROUPS INTERESTED IN HIGHWAYS PRESENTED their views to the Clay Committee middle of last month. Highlights from these statements include:

AMERICAN TRUCKING ASSNS. RECOMMENDED continuation of the current Federal-Aid program except for the National System of Interstate Highways. This should be paid for entirely by the federal government.

NATIONAL ASSN. OF MOTOR BUS OPERATORS SAID this proposal merited "serious consideration." It also suggested that federal aid be limited to cost of such highways as are necessary for federal functions over and above what the states spend to meet their own needs.

PRIVATE TRUCK COUNCIL OF AMERICA QUESTIONED the need of the $100 billion program, said a total estimate of $50 billion during the next 10 years would be more realistic. It proposed that highway users and all other beneficiaries of highway improvement should pay their full and proper share of the costs.

ASSN. OF AMERICAN RAILROADS SAID highway users should pay all the costs of highways, advocated much greater use of third-structure taxes on trucks.

TRUCK-TRAILER MANUFACTURERS ASSN. SUGGESTED that the highway users share of costs be paid through registration fees and motor fuel taxes, asked for attention to problem of urban traffic congestion.

AMERICAN TOLL WAYS AUTHORITY TOLD the committee that the group envisions a network of superhighways built and maintained by state toll road commissions.

INDEPENDENT ADVISORY COMMITTEE TO THE TRUCKING INDUSTRY (ACT) EMPHASIZED the importance of adequate highways to national defense and the national economy, asked the federal government to take the initiative in highway financing.

AMERICAN PETROLEUM INSTITUTE OPPOSED tendency toward limited access highways as being "contrary to the traditional free enterprise system." It also questioned the $100 figure, said $50 billion would be more reasonable.

NATIONAL GRANGE AND AMERICAN FARM BUREAU FEDERATION ALSO WENT on record as expressing doubt about the need for a $100 billion, 10-year program.

The Road Ahead

NEW TRAFFIC SIGNS ARE coming. They have been approved by the American Assn. of State Highway Officials, Institute of Traffic Engineers and National Committee on Uniform Traffic Laws and Ordinances. Major changes, according to the Bureau of Public Roads, include: 1. A red stop sign with white lettering at least reflectorized replaces the former standard yellow sign. 2. A yellow, equilateral triangle "Yield Right of Way" is adopted for use at intersections where a full stop is not required. 3. Warning signs are to be placed further in advance of hazards ahead. 4. Traffic signal installations must show at least two signal faces visible to traffic on each approach to an intersection.

CIRCLE DEC. 15 ON your calendar. It is nationwide "S-D Day" sponsored by the President's Action Committee for Traffic Safety. Aim is to eliminate **all** traffic accidents for the 24-hr period of "Safe-Driving Day." Watch local papers for your community's plans.

BUS SHOPS AND GARAGES ARE safe places to work. National Safety Council reports a 3 per cent drop in frequency rate and a 51 per cent drop in severity rate of industrial accidents (not traffic accidents) in 1953 as compared to 1952 for this group.

MONTANA'S INTERIM COMMITTEE ON Highway Finance has suggested raising the state's gas tax to 7¢ a gal, diesel tax to 9¢ a gal. The group's proposals also include raising the gross vehicle weight tax schedule about 16 per cent, with trailer fees boosted to 100 per cent of the basic schedule.

ESTIMATED COST OF THE ASSHO ROAD TEST PLANNED for Illinois is $12 million. It will be split between the states, Bureau of Public Roads, truck, trailer and related manufacturers such as oil and rubber, and the trucking industry. Thinking now is that the test may extend over five years instead of two as originally planned.

MONTHLY WEATHER FORECASTS FOR fleet operators are being offered by Markel Service, Inc., to its policyholders. Prepared by National Weather Institute, Los Angeles, through arrangement with Western Union Telegraph Co., they contain two maps of the 48 states showing temperature and precipitation predictions. Below the maps are day-by-day trends for 18 regional areas expressed where possible in terms of highway useability.

PRODUCTION TOTALS FOR August and the first eight months this year as compared to the same periods last year are shown below:

In thousands of units, except bus sales are in actual numbers	New Truck Registrations		Truck Factory Sales—Domestic		Truck Trailer Shipments		Bus Factory Sales—Domestic		Truck and Bus Tires				
									Replacement Shipments		Original Equip. Shipments		Inventory End of August
	August	8 Months	August	8 Months	August	8 Months	August	8 Months	August	8 Months	August	8 Months	
1954	64.2	562.7	60.3	591.0	4.1	36.1	306	2420	823.9	5240.5	243.3	2488.1	2187.7
1953	76.7	628.3	89.9	752.1	9.7	65.1	407	2210	874.8	6437.9	372.3	3483.6	2866.2

Compare the Berg Connectors

SIDE-BY-SIDE, POINT-BY-POINT WITH ANY OTHER CONNECTOR MADE...

Regardless of the Make or the Advantages their Manufacturers Claim!

IT'S A FACT! ***Berg* CONTACTS ARE SILVERPLATED IN ACCORDANCE WITH THE MOST RIGID ARMY SPECIFICATIONS!**

Silverplated contacts on the Berg Universal and Deluxe 7-Way connectors provide the most positive contacting action, maintain the fullest power through the contacts.

Berg silverplates these contacts because steel against brass, or even brass against brass sets up an electrolic reaction which causes corrosion.

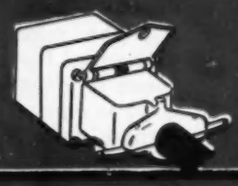
Although Silverplating the contacts of the Berg Connectors is an expensive process and adds to the manufacturing costs, Berg does not pass on these costs to you. You actually pay no more for the silverplated contacts than you do for the electroplated contacts found on other connectors!

FICTION — a manufacturer's claim of using "brass pins and heavy electroplated terminals for perfect electrical connection" Impossible to obtain.

IT'S A FACT! **ONLY Berg CONNECTORS HAVE THE *DOUBLE SAFETY LOCK* with the POSITIVE, PATENTED SAFETY SHEAR POINT!**

You get double protection with Berg Connectors. When the Berg patented shear point breaks, you still have the protection of the Berg Auxiliary Pull-Away lock!

FICTION — That any other connector has as many safety features as the Berg Connectors!



IT'S A FACT! ***Berg* ORIGINATED THE PROTECTIVE COVER ON THEIR SHUR-LOCK and ROYAL CONNECTORS!**

This important feature, as with many other features found in all makes of connectors was originated by Berg and imitated by others. More proof that Berg is the LEADER, not the follower — the ORIGINATOR, not the imitator in the electrical connector field.

FICTION — That other manufacturers are originators of the plus features found in the Berg Connectors.

For complete details contact your local jobber, truck trailer manufacturer or write direct to

Berg MANUFACTURING & SALES CO., INC.
1712 SOUTH MICHIGAN BLVD. • CHICAGO 16, ILLINOIS

Manufacturers of the Berg SHUR-LOCK, ROYAL, UNIVERSAL and DELUXE TRACTOR-TRAILER CONNECTORS, VARI-VOLT and REDUCT-O-VOLT VOLTAGE CONVERTERS, DUO and QUAD RESISTOR CONTROLS, SAFE-AIR LOW PRESSURE INDICATORS, SNO-GLO LAMPS, TRAILER LIGHTING CABLES, LOOM

Berg Products are Warehoused in Chicago, Los Angeles, San Francisco, Portland, and in Toronto, Ontario, Canada.

New PRODUCTS

The latest developments in parts, accessories, tools and equipment for the fleet field, described in brief for your convenience

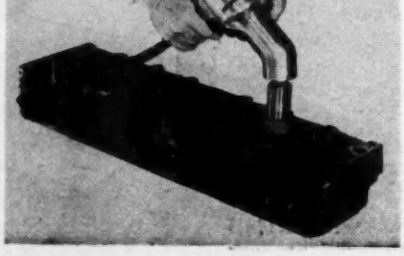
P1. Impact Tool

Ingersoll-Rand, has announced a new rotary "Impactool" for nut-running requirements of modern high compression, high torque, engines. Known as the Size No. 5U, the tool has a ½-in. drive and weighs only 6½ lb. With standard attachments which can be easily and quickly applied, it will drill, drive screws, ream, tap, do wire brushing, hole sawing, etc.

Besides additional power, another improvement on the new tool is a renewable, synthetic rubber bumper which snaps onto the front of the tool housing. This prevents the entrance of dirt around the driver.

P2. Seat Grinder

Cedar Rapids Engineering Co., Cedar Rapids, Iowa, recently introduced its Model No. SSG seat grinder. A 1/3 hp motor works through heavy-duty spiral bevel gears with sufficient power to grind seats of diameters as large as 4 in. The 53 deg angle drive permits work on in-the-chassis jobs or other tight spots. The unit is made for use with "Kwik-Way" tapered self-centering arbor and with all "Kwik-Way" hex seat grinders.

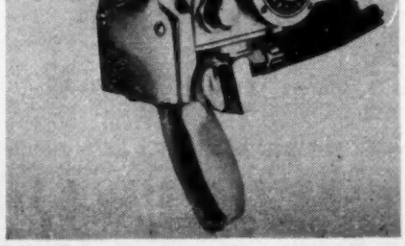


P3. Paint Heater

Dualheet, Inc., Cleveland, Ohio, has announced a new electric paint heater, featuring a removable paint track, one bolt assembly, with no gaskets and no circulating pump or motor being required. An air ambient hose is provided for maintaining spraying temperature in the line when the spray gun is not in use. Weighing less than 8 lb, this compact, new paint heater, known as Model No. DH 125, is only three inches in diameter by 11 in. long. Removal of only one bolt frees the entire paint track for quick, easy and thorough cleaning or for a fast change of colors. Heating capacity is 8 gal of material per hr and the electrical capacity is 1250 watts. The heater comes complete with pressure gauge and thermometer and can be furnished in either 110 V or 220 V.

P4. Metallizing Gun

Metallizing Co. of America, Chicago, has announced a new "Turbo-Jet" metallizing gun. It is stated that this new model is so flexible that one gun will take care of all spraying operations—production, maintenance, and anti-corrosion spraying applications. The gun may be used in a tool post or hand operated. It weighs only 5½ lb and will operate on acetylene, propane, or natural gas.



P5. Ejector Heater

George Mfg. Co., Philadelphia, has developed a small, electrical heating unit for its air tank water and sludge ejector. It is a ring of special alloy that fits around the injector, can be easily removed for storage during warmer months. The heater unit has automatic temperature adjustment.

P6. Starter Kit

Mondak, Inc., Columbus, Ohio, has available a complete kit, including voltage selector system, for starting stalled vehicles. It can be used to start 6 or 12 volt system vehicles. It comes with selector switch, relay, control cable, battery cables, battery carrier and primary wire.

P7. Distributor Tester

Sun Electric Corp., Chicago, has announced a new "Standard Distributor Tester." It incorporates all the time tested features of the Sun "Master Distributor Tester," such as the large 12-in. degree ring scale, and silent variable speed drive powered by a ¼ hp constant speed, 110 volt induction motor. A complete line of accessories and adaptors including a manometer are available for special handling of distributors on various makes of cars.

P8. Trailer Washer

Lawrence Liekweg Co., St. Louis, Mo., is marketing a new portable, semi-automatic trailer washer known as the "St. Louis Trailer Washer." Saving in the original investment is

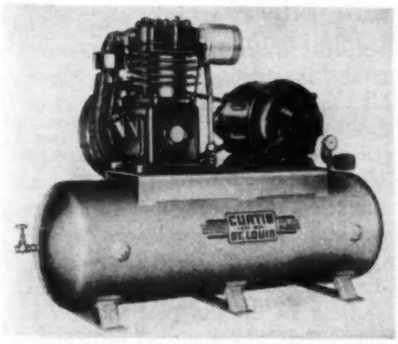
possible by mounting the washing unit on an old tractor, unfit for further road service. The mounting requires only four bolts to securely hold the welded frame to the tractor unit.

P9. Traction Clips

Campbell Chain Co., York, Pa., has taken over production of "Traction Klips" (described in Oct. issue, page 162, item P28). The company plans to produce them in a full range of tire sizes. Weight of the vehicle forces the clips on and a handy lever is supplied to remove them.

P10. Air Compressors

Curtis Pneumatic Machinery, St. Louis, Mo., has announced a new line of air compressors. Cooling fins have been re-designed and enlarged to produce greater cooling area. Disc type valves are constructed of heat treated alloy steel. They are ground and then lapped to optical precision and flatness to assure quietness and efficiency in operation. Two-bearing crankshaft is drop forged, precision ground and counterbalanced to provide smooth operation. They have a positive pressure lubrication system with one moving part, the oil pick-up ring which revolves on the crankshaft.



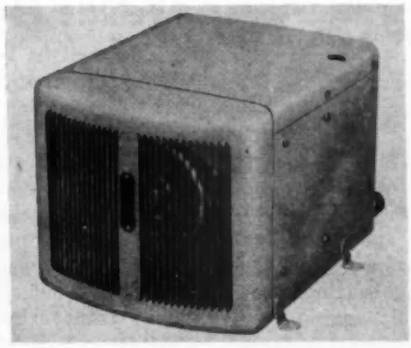
P11. Vacuum Relay Valve

Midland Steel Products Co., Detroit, has available a vacuum relay valve that combines a relay valve, open type check valve, tank valve, moisture trap and air cleaner in one unit. It connects full engine vacuum to power chambers and keeps tank

vacuum as reserve if needed. Trailer brakes are automatically applied if connecting lines are broken. Air filter is easily removable by removing one nut and lifting the cover. Disassembly of the unit has been simplified through the use of two snap rings rather than cap screws as in previous models.

P12. Truck Crew Heater

Evans Products Co., Plymouth, Mich., is producing a new heater to keep work crews warm in trucks. Designated as Model No. ES-18, it has an output of 25,850 Btu. It is for vehicles where auxiliary heat is required and is available either as new equipment or as a replacement unit. The heaters are cut into the cooling system in parallel, and the regular truck cab heater is not dependent on the crew compartment heater. Outlet grilles are so constructed that heated air is dispersed at high velocity and directed to all sections of the crew compartment. Outlet grille deflector vanes may be adjusted to diffuse the warm air for maximum comfort.



P13. Valve Gapper

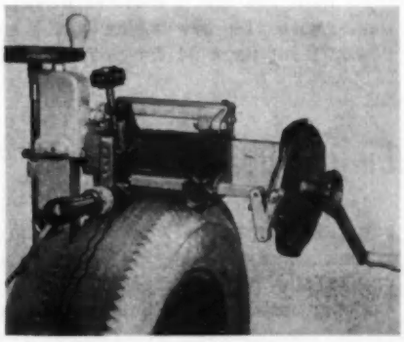
P&G Mfg. Co., Portland, Ore., has announced three new models of its precision valve gapper (described in Dec. '53 issue, item P94). A new universal Model No. III with adaptor fits all passenger cars with valve-in-head engines, and all valve-in-head Ford truck engines except three models. Another new unit, Model No. III-F fits Ford, Mercury, Lincoln and all Ford truck engines with overhead valves. For GM-71 series diesel engines, a new valve gapper overhaul kit is available that includes instruments for setting valve clearance, timing fuel injectors, balancing fuel injector racks, and provides adaptors for measuring height of cylinder liners, uniformity of counterbore, uniformity of cylinder bore and cylinder liner wear. This new kit can also be used to set clearance on GM-6-110 engines, and adaptors for timing injectors and balancing fuel racks on these engines will be available soon according to announcement from the company.

P14. Valve Springs & Locks

Rich Mfg. Co., Battle Creek, Mich., has announced addition of a complete line of valve springs and locks to their line of "RMC" replacement valves. Coverage is complete, especially in the heavy duty industrial and truck applications.

P15. Tire Regroover

John Bean Division, Lansing, Mich., is manufacturing a tire regroover that makes it possible to cut patterned circumferential grooves in bald or recapped tires. The new unit is an attachment for the John Bean "Skid-Defier," and may be purchased either as a complete assembly ready for operation or as an accessory. Two pattern cams which are a part of the groover make it possible to cut either long or short zig-zag grooves. These grooves, used in combination with the variety of straight circumferential and cross grooves possible with the basic "Skid-Defier," make it possible to approximate the original design.



Fleetman's LIBRARY

New literature on fleet maintenance, safety and operation for your files—Many are free (Use postcard on page 54)

Cooling System Service Bulletin

Here is a 12-page service bulletin on cooling system maintenance that is punched to fit a letter-size three-ring binder. Published by Cummins Engine Co., the emphasis is on diesel engines but the principles apply to gasoline and LP gas engines as well. With 18 illustrations to help make it clear, the text covers prevention of rust and corrosion, cleaning and flushing, operation and circulation. Last page is a PM check list on the cooling system. For your free copy, circle L1 on the postcard on page 54.

Tank Trailer Repair Manual

For tank truck operators, this 31-page, loose-leaf manual covers thoroughly cleaning of most types of cargo residue from tank trailers. Use and operation of the Model No. 5 M-S-A Explosiometer also is described. The section of the manual devoted to repair of tank trailers includes many large, explanatory photographs and diagrams. Last section in the manual is the text of ICC regulations governing the "Transportation of Explosives and Other Dangerous Articles in Tank Motor Vehicles." Tank truck operators can get a free copy of this valuable publication by circling L2 on the postcard on page 54.

Aluminum Conversion Guide

Effective the first of last month, a new system for designating wrought aluminum and wrought aluminum alloys, developed and adopted by the Aluminum Assn., went into effect. This guide, published by Kaiser Aluminum, explains how the new, four digit index system works, then lists the old numerical designation in parallel columns with the new index numbers. Circle L3 on the postcard on page 54 for your free copy.

Engine Bearing Manual

Just published by Toledo Steel Products Co., this 100-page, 10-chapter manual is a complete and fully-illustrated coverage of engine bearing maintenance. Included are several full color pictures illustrating bearing wear. Chapter headings are: bearing fundamentals, engine lubrication, precision and tools, causes of poor engine performance, causes and analyses of bearing failure, bearing replacement, bearing selection, installation procedure, bearing construction and performance, and special appendix including a dictionary of bearing terms and an index to the manual. Special introductory price of this manual is $1.25. Get it from Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.

Plastic Body Repair Guide

Although written for passenger car plastic body repair, the principles explained in this repair guide apply to plastic truck body components. It is a fully illustrated explanation of the system recommended by Minnesota Mining and Mfg. Co. and will be interesting to those presently wondering about plastic parts and valuable to those using vehicles incorporating plastic parts. To get a free copy, circle L4 on the postcard on page 54.

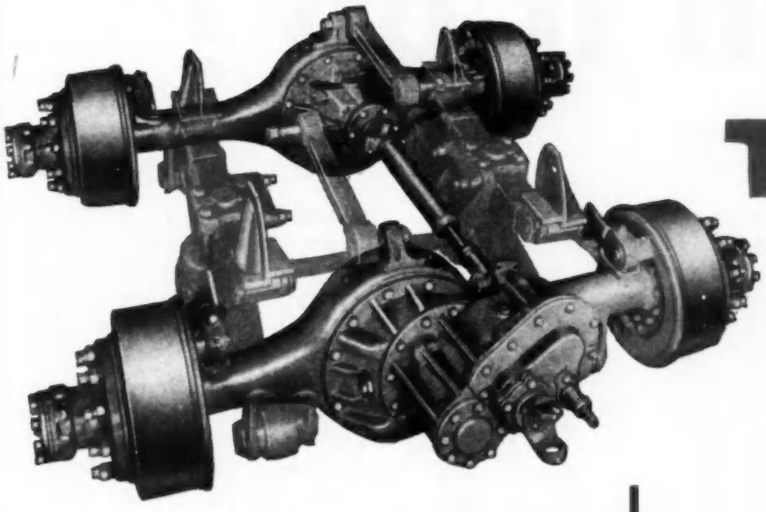
Driver's Manual

Fleet safety men may get some ideas for driver training from this government publication. It contains rules of the road and common sense suggestions for safe driving. Its purpose is to prevent accidents, and it has a defensive driving emphasis. Place to get them is Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. Ask for Catalog No. T 1.10:D 83/954. Price of the 34-page, illustrated manual is 20¢ a copy.

Vehicle Facts and Figures

Automobile Manufacturers Assn. has just published the 1954 edition of its annual "Automobile Facts and Figures," the 34th edition of this handy fact book covering statistically the growth of highway transport. For buses, trucks, passenger cars and other vehicles, it covers registrations, ton miles, vehicle miles, highways, user-taxes, production, shipments, freight hauled, safety, fuel consumption and a host of other valuable data. It is a good publication for your local newspaper editors and others. It presents convincing proof of the importance to our economy of highway transportation. Circle L5 on the postcard on page 54 for a copy of this excellent summary of vehicle data.

SIX reasons for the superior performance of EATON TANDEM DRIVE AXLES



1 Designed Specifically for Tandem Operation,
Eaton Tandem Axles are not subject to abnormal stresses or complicated lubrication problems.

2 Single Drive Line
on a normal angle gives a direct lead from power divider to rear axle; simplifies design, eliminates excess parts, minimizes maintenance.

3 Rugged Power Divider
mounted on forward axle, is of simple design; provides for transmission of power equally to both axles.

4 Inter-Axle Differential
in power divider assures equalized power transmission even though wheel speed may vary due to road irregularities or tire diameter variations.

5 Differential Lock-out
between forward and rear axles (optional on some models) provides positive drive to each of the axles, when required because of soft or slippery road conditions.

6 Maximum Strength with Minimum Weight
is achieved through simplified design, experienced engineering, and accurate fabrication.

Ask your truck dealer to explain how Eaton Tandem Drive Axles provide trucks with greater load capacity—reduce tire and operating costs.

EATON AXLE DIVISION
MANUFACTURING COMPANY
CLEVELAND, OHIO

PRODUCTS: Sodium Cooled, Poppet, and Free Valves • Tappets • Hydraulic Valve Lifters • Valve Seat Inserts • Jet Engine Parts • Rotor Pumps • Motor Truck Axles • Permanent Mold Gray Iron Castings • Heater-Defroster Units • Snap Rings Springtites • Spring Washers • Cold Drawn Steel • Stampings • Leaf and Coil Springs • Dynamatic Drives, Brakes, Dynamometers

Laugh it off!

DID YOU HEAR ABOUT THE LITTLE MORON WHO LEFT HIS BRAINS TO BE REPAIRED AND THEN COULDN'T THINK WHAT HE HAD DONE WITH THEM?

ccj

The used truck dealer was trying to lop-off an antiquated, wheezy, tractor on a smart and cautious fleet operator.

"This rig," boasted the dealer, "is really your opportunity of a lifetime."

"True, brother, true," the cautious one commented, "I can hear it loudly knocking."

ccj

Steno Sue: "I was getting real fond of Tom out in the maintenance section until he got fresh and spoiled it."

Steno Lou: "Yeah, I know. It is a shame how fast a truck mechanic can undo everything."

ccj

Maintenance Superintendent (angrily): "Why were you kissing my daughter in that dark corner last night?"

Trembling O.S.&D Clerk: "Now that I've seen her in the daylight I have been asking myself that very question."

ccj

The brake specialist and the ignition specialist, bachelor room mates, had been out for a night on the town. They were fumbling around trying to get into their apartment:

Brake Specialist: "Say, you don't open the door with that. It's a cigar butt."

Ignition Specialist: "Well, whash ya know. I've gone an' shmoked my dad blamed key."

Shop Foreman (on phone): "Hello-o-o bay-beee, how are ya this evening?"

Delectable Della: "All right, sweet. But I'm lonely."

Shop Foreman: "Good and lonely."

Delectable Della: "No, just lonely."

Shop Foreman: "I'll be right over."

ccj

Steno Fay: "How do you know those bending, stretching, stooping exercises in front of an open window are doing you good?"

Steno Mae: "Oh, I have positive evidence, gal. There's a truck driver living in that room across the street and he's asked me to go out with him three times already!"

ccj

Freight Loader: "My new girl is as beautiful as a mirage."

Freight Checker: "That's the wrong simile. A mirage is something you can see, but can't get your hands on it."

Freight Loader: "That's my girl!"

"Cici Jay"

"Now, now, B.B., the convention is over. We're back at the office!"

INTERSTATE BUS DRIVER: "THERE'S A BABY BORN IN NEW YORK EVERY MINUTE BUT DON'T LOOK AT ME. I LIVE IN TENNESSEE."

ccj

The traveling auditor for the southern motor carrier had just returned to his hotel after a date with a beautiful blonde. He couldn't sleep until he had called her on the phone and made arrangements to see her again.

"Honest, baby," he started the conversation, "you really knocked me for a loop. I want to see you again in the worst possible way."

She replied, "Okay, then, come around in the morning before breakfast."

ccj

Safety Sadie: "Say, Cora, I heard you were out to a bridge party last night. How did you like it?"

Catty Cora: "Oh, fine, Honey, until the cops looked under the bridge."

ccj

Forklift Operator: "My gal is a bubble dancer. Looks like she won't make much of a success of it though. The other day her career blew up in her face."

ccj

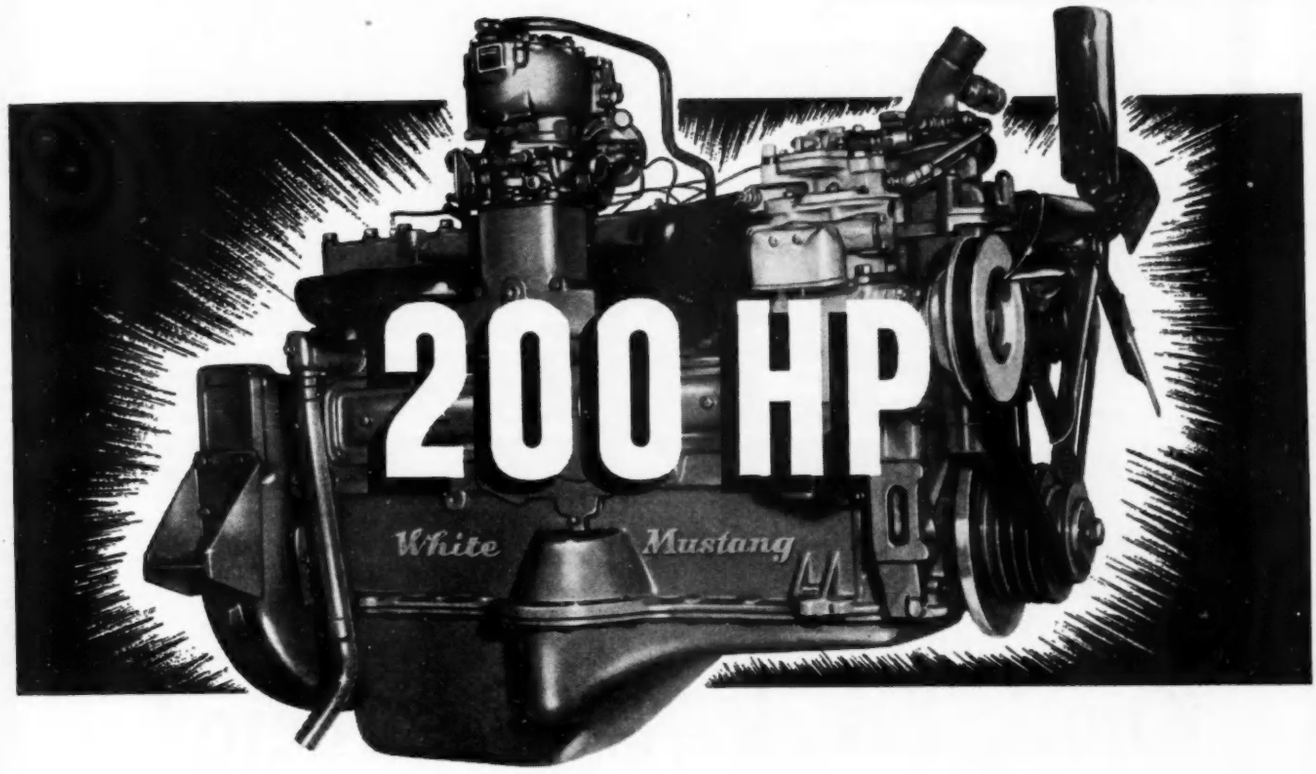
Six truck mechanics went out on a fishing trip and ran out of provisions. They drew straws and the loser went to the nearest town to replenish their supplies. When he returned with six cases of beer, five bottles of wine, a few bottles of whiskey and a loaf of bread, one of the mechanics exclaimed:

"Good ole Sam! He's even brought back something for the birds!"

Resume Work

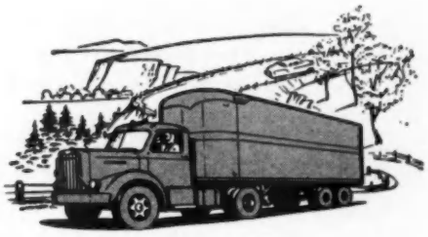
NOW—a great new engine for AUTOCAR TRUCKS

The White Mustang 390A



Here's the greatest gasoline engine ever to power an Autocar truck. The White Mustang 390A, a modern high-compression engine producing 200 horsepower and 440 pound-feet of torque. It has more power per pound, and all the other features you look for in a heavy-duty engine for high-speed hauling.

You will want full information on this important addition to the Autocar line. Fill in the coupon and find out what this engine can do to make your hauling more profitable—you'll be glad you did.



The mighty Mustang is also available for your replacement engine needs
See your White-Autocar representative about the special installation kit available for your present Autocar in 145 and 200 hp engines.

AUTOCAR TRUCKS

Autocar Division of The White Motor Company
Exton, Pa.

Autocars are sold and serviced throughout the world

Autocar Division of The White Motor Company
Exton, Pa.

I want to know more about Autocars with the White Mustang 390A Engine.

Name_____

Firm Name_____

Address_____

Type of operation_____

No. of trucks in fleet_____

3L

CC

BULLETIN BOARD

DRIVERS • MECHANICS • SAFETY MEN *Please Note!*

Knock, Knock...Who's There?

Take a dark night. Add some rain or fog or snow. Smear up your headlamp lenses. Then shake up the light wiring on the trailer ahead. What have you got? You've got an accident about to happen. . . .

Only ingredient necessary now is some speed and an unforseen traffic slowdown. Both are readily available on any highway—regardless of driving conditions. So you get a ram in the rear. . . .

Who's at fault? The driver who suffers the most damage will claim it was the other guy's fault. And the other guy will blame the weather. "Couldn't see," he'll complain. "And this bird didn't have enough candlepower in his lamps."

But you know something? Nobody will fool anybody. It's obvious that any driver who can't see shouldn't be moving at all, and the guy on the road without proper lights (front or rear) has more faith than judgment. So everybody's going to come in on the final bill.

Just remember this next time you can see. For every damn fool out on the highway without adequate rear lighting there's another out there over-driving his high beams. So the outcome is inevitable.

It's just plain logic. If you don't believe this, check the safety records, the casualty figures, the obituary columns. . . .
But get your lights fixed first!

CLIP AND POST ON YOUR OWN BULLETIN BOARD —— REPRINTS AVAILABLE AT NOMINAL COST

CLIP AND POST ON YOUR OWN BULLETIN BOARD —— REPRINTS AVAILABLE AT NOMINAL COST

INFORMATION AT YOUR FINGER-TIPS . . . This new Buyer's Directory promises valuable assistance to the fleetman every day of the year. The following pages contain thousands of listings of automotive products used in truck and bus operation, together with manufacturers' names and address. Whatever you need in the way of supplies, parts, components, vehicles, etc., can be obtained through these suppliers. A quick check of this issue before you buy will help you to select the precise material you need.

TO EXPEDITE YOUR SEARCH . . . for the items you want, more than 1000 products have been indexed alphabetically under the commonly used noun. However, where compound words are sometimes used or when questions on nomenclature arise, additional listings are included with a generous supply of cross indexing. You can find it here—conveniently and quickly.

FOR ADDITIONAL DETAILS . . . on many products, consult the advertisers' index at back of book. Many advertisements in this issue give more complete information on many products. While this directory is limited generally to manufacturers who distribute on a national scale, names of local distributors may be obtained by writing to the parent organization. For replacement parts on specific models of vehicles, it should be remembered that the vehicle manufacturer, through the various branches, can supply a complete rundown of items . . .

COMMERCIAL CAR JOURNAL'S

ANNUAL BUYER'S DIRECTORY NUMBER

ABRASIVES, See Sandpaper
ABSORBENTS, See Cleaners, Floor
ACCELEROMETERS, See Meters, Brake Testing
ACETYLENE, See Gas, Acetylene
ADDITIVES, CRANKCASE, See Compounds, Crankcase Sludge Removing

ADJUSTERS, Brake

Brakemaster Corp., 4603 W. Roosevelt Rd., Chicago 50, Ill.

ADJUSTERS, Tire Chain

American Chain Div. of American Chain & Cable Co., 454 E. Princess St., York, Pa. "Weed."
Campbell Chain Co., York, Pa.
Cleveland Chain & Mfg. Co., Broadway & Chaincroft Rd., Cleveland 5, Ohio.
Crown Products Co., Ralston, Neb.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Grayson Tool Co., 1412 W. 2nd St., Hastings, Neb.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md.
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa.
Nauman Mfg. Corp., R. F., 525 Michigan Ave., Buffalo 3, N. Y. "Naco."
Nixdorf-Krein Mfg. Co., 916 Howard St., St. Louis 6, Mo. "Elephant Brand."
Peerless Chain Co., Front & Walnut Sts., Winona, Minn. "Superior."
Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn.
Round California Chain Co., Bayshore Highway, So. San Francisco, Calif.
Round Chain & Mfg Co., 5050 S. Austin Ave., Chicago 38, Ill.
Round Los Angeles Chain Corp., 427 S. Hewitt St., Los Angeles 54, Calif.
Round Seattle Chain Corp., 6921 E. Marginal Way, Seattle 8, Wash.
Round Woodhouse Chain & Mfg. Co., Third St., Trenton 7, N. J.
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Tingley Rubber Corp., 903 Ross St., Rahway, N. J. "C.O.T."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Western Chain Co., 1807 Belmont Ave., Chicago 13, Ill. "Wesco."
Wickwire Spencer Steel, Div. of Colorado Fuel & Iron Co., 575 Madison Ave., N. Y. 22, N. Y.

AIR CLEANERS, See Cleaners, Air
AIR COMPRESSORS, See Compressors, Air

AIR CONDITIONING UNITS, Truck, Bus and Trailer

(See also Coolers, Truck, Bus and Trailer)
Frigidaire Div. General Motors Corp., 300 Taylor St., Dayton, Ohio.
HaDees Heater Div. of Gabriel Co., 1911 Harrison Ave., Rockford, Ill.
Keco Industries, Inc., 2832 Spring Grove Ave., Cincinnati 25, Ohio.
McGraw Electric Co., 5201 W. 65th St., Chicago 38, Ill.

ALARMS, CARBON MONOXIDE, See Indicators, Carbon Monoxide

ALARMS, Truck and Cargo Protection

Auto-Matic Alarm Systems, 2311 Indiana Ave., Chicago, Ill.
Babaco Alarm Systems, Inc., 733 Washington St., New York, N. Y.
Certified Burglar Alarm Systems, 1418 W. Augusta Blvd., Chicago, Ill.
Ever-Guard Automatic Burglar Alarm Co., Inc., 404 W. 53rd St., New York, N. Y.
Victor Burglar Alarm Co., Inc., Clifton, N. J.

ALIGNERS, Wheel, See Gages, Wheel and Axle Aligning

ALUMINUM, Sheet, Rod, Ingot, Shapes

Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa. "Alcoa."
American Nickeloid Co., Peru, Ill. (Nickel and chrome plated aluminum, in sheets.)
Cleveland Electro Metals Co., 2391 W. 38th St., Philadelphia 29, Pa. (Rod, sheet, strip, bar and wire.)
Colonial Alloys Co., Ridge Ave. & Crawford St., Philadelphia 29, Pa. (Rod, sheet, strip, bar and wire.)
Fairmont Aluminum Co., Fairmont, W. Va. "Falco." (Sheet, coil, circles and plate.)
Federated Metal Div. American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
Harvey Aluminum Div. of Harvey Machine Co., 19200 S. Weston Ave., Tarrance, Calif. (Rod and wire.)
Kaiser Aluminum & Chemical Corp., 1924 Broadway, Oakland 12, Calif. (Sheet, plate, coils, circles, billets, pig, ingot, rod, bar and wire.)
Reynolds Metals Co., 3rd & Grace Sts., Richmond 19, Va. (Sheet plate, wire rod bar, ingot and pig.)

AMMETERS, Instrument Board

AC Spark Plug Div., 1300 N. Dort Highway, General Motors Corp., Flint 2, Mich.
Hoyt Electrical Instrument Works, 292 Main St., Cambridge 42, Mass. (Sole distributors, Burton-Rogers Co., 292 Main St., Cambridge 42, Mass.)
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Simpson Electric Co., Div. of American Gage & Machine Co., 5208 W. Kinzie St., Chicago 44, Ill.
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago, Ill.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
United States Gauge Div. of American Machine and Metals, Inc., Sellersville, Pa.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J.

ANALYZERS, Combustion

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa.
Cambridge Instrument Co., Inc., 3001 Grand Central Terminal Bldg., N. Y. 17, N. Y.
Choldun Mfg. Corp., 331 East St., New Haven, Conn.
Commercial Research Laboratories, Inc., 20 Bartlett St., Detroit 3, Mich.
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Mixture Master."
Engelhard, Inc., Charles, 900 Lassaic Ave., East Newark, N. J. "Exhaustalyser."
Gale-Hall Engineering, Inc., North Hampton, N. H.
Gow-Mac Instrument Co., 100 Kings Rd., Madison, N. J.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Permutit Co., 330 W. 42nd St., New York 36, N. Y. "Ranarex."
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Weidenhoff, Inc., Joseph, Algono, Iowa.

ANALYZERS, Engine and Electrical Equipment

Actane Chemical Co., Philadelphia 8, Pa.
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa.
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Hydrovac."
Gale-Hall Engrg., Inc., North Hampton, N. H.
Heyer Industries, Inc., 471 Cortland St., Belleville 9, N. J.
Hygrade Products Co., 35-35 35th St., Long Island City, N. Y. "Vac-O-Scope."
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Mack Products Co., 15 Putnam St., Winthrop, Mass.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
T. & H. Mfg. Co., 811 E. 31st St., Kansas City 3, Mo.
Weidenhoff, Inc., Joseph, Algona, Iowa.

ANTI-FREEZE, Cooling System

Ball Chemical Co., 524 Federal St., Pittsburgh 12, Pa. "Cleanola."
Carbide & Carbon Chemicals Co., Div. of Union Carbide & Carbon Corp., 30 E. 42 St., New York 17, N. Y.
Cliffs Dow Chemical Co., Wright St., Marquette, Mich. "Sentinel."
Commercial Solvents Corp., 260 Madison Ave., New York 17, N. Y. "Ajax," "Frost Chek," "Peak," "Plus," "Nor'way."
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Permento."
Dow Chemical Co., 919 Jefferson Ave., Midland, Mich. "Tri-Pro."
du Pont de Nemours & Co., E. I., Polychemical Dept., Zerone & Zerex Anti-Freeze Sales Section, Wilmington 98, Del. "Zerone," "Zerex."
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y. "Esso," "Atlas Permaguard."
Monsanto Chemical Co., Merrimac Div., Everett Station, Boston 19, Mass. "Eskimo."
Mopar Parts Div., Chrysler Corp., 7000 E. Eleven Mile Rd., Centerline, Mich.
National Carbon Div. of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. "Prestone," "Trek."
Octagon Process, Inc., 15 Bank St., Staten Island 1, N. Y.
Olin Mathieson Chemical Corp., Mathieson Bldg., Baltimore 3, Md.
Pennsylvania Refining Co., Dumont Div., 2686 Lisbon Rd., Cleveland 4, Ohio. "Penn Drake."
Porte Mfg. Co., 3179 Atlantic Ave., Brooklyn 8, N. Y. "Compass."
Prairie States Oil & Grease Co., Danville, Ill.
Randall Products Mfg. Co., 2095 Broadway, New York 23, N. Y. "Rand-Zone."
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil Freezone" & "Mobil Permazone."
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio. "Speco," "Freezex," "Freez-Rem."
U. S. Industrial Chemicals Co., Div. of National Distillers Products Corp., 120 Broadway, New York 5, N. Y. "Super Pyro," "USI."
V-O Mfg. Co., 13165 Sherman Way, North Hollywood, Calif.
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.

ANTI-FREEZE, Gasoline Line

Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Bullseye Corp., 150 Amity Rd., New Haven 15, Conn. "I C U Livegas." (Sole distributors, Livingston Co., 150 Amity Rd., New Haven 15, Conn.)
Casite Div. Hastings Mfg. Co., Hastings, Mich. "Drout."
Commercial Solvents Corp., 260 Madison Ave., New York 16, N. Y. "Nor'way Dry-Ex."
Cristy Chemical Corp., 21 Putnam Lane, Worcester 4, Mass. "Cristy Drygas."
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Mototuner."
du Pont de Nemours & Co., E. I., Finishes Div., Chemical Specialties Sales, Wilmington 98, Del. "Gas Guard."
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite," "Fidelity."
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Heet Div. of Demert & Dougherty, Inc., 3001 W. 47th St., Chicago 32, Ill.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz Zorbit."
Lubri-Loy Co., 6319 Wilson St., St. Louis 10, Mo.
Motor Kool Products Co., 505 Buttles Ave., Columbus 8, Ohio. "M-K Startrite."
Pennsylvania Refining Co., Gumout Div., 2686 Lisbon Rd., Cleveland 4, Ohio. "Gumout."
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Silos."
Porte Mfg. Co., 3178 Atlantic Ave., Brooklyn 8, N. Y. "Gasec."
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md. "De-Icer."
Zecol, Inc., 3270 S. 3rd St., Milwaukee 7, Wis.

ARMATURES

American Generator & Armature Co., 2614 W. 48th St., Chicago 32, Ill.

ARMATURES—*continued*

Arrow Armatures Co., 15 Fordham Rd., Boston 39, Mass. (Rewinds.)
General Armature & Mfg. Co., Mill Hall, Pa.

ARBOR PRESSES, See Presses, Arbor
ARMS, BREAKER, See Parts, Ignition

AXLE, Load Equalizing

De Lay Industries, Inc., 834 Paul Brown Bldg., St. Louis 1, Mo.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.

AXLE STRAIGHTENERS, See Straighteners, Axle. (See also Gages, Wheel and Axle Aligning.)

AXLE SHAFTS

Canton Drop Forging & Mfg. Co., 207 12th St., S. E., Canton, Ohio.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Dittmer Gear Mfg. Corp., 193 Grand St., Lockport, N. Y.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Spencer Mfg. Co., N. Main St., Spencer, Ohio.
Steel and Tubes, Inc., 224 E. 131st St., Cleveland, Ohio.
U. S. Axle Co., Inc., Water St., Pottstown, Pa.
Warner Automotive Parts Div., Borg-Warner Corp., S. Wayne St., Auburn, Ind.
York Electric & Machine Co., Loucks Mill Rd., York, Pa. "Bilt-Well"; "Foreman" (Sole distributors, Foreman, Inc., 630 Loucks Mill Rd., York, Pa.)

AXLE SUSPENSION UNITS, Trailers

Edwards Trailer Co., Div. of Edwards Iron Works, Inc., Center Line, Mich. (Mailing address 23500 Sherwood Rd., Detroit 34, Mich.)
Fayette Mfg. Co., Fayette, Ohio.
Grico Two Axle Drive Co., 19840 Eight Mile Road, W. (Redford Station), Detroit 19, Mich.
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis.
Hendrickson Mfg. Co., 8001 W. 47th St., Lyons, (Chicago suburb), Ill. "Hendrickson Tandem."
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Hobbs Mfg. Co., 609 N. Main St., Fort Worth 1, Tex.
Homan & Co., 511 Reading Rd., Reading, Cincinnati 15, Ohio. (Air Springs.)
Hutchens & Son Metal Products, Inc., E. Division St. Rd., Springfield, Mo.
Kingham Trailer Co., Inc., 15th & Hill Sts., Louisville, Ky.
Neway Equipment Co., 1183 E. Laketon St., Muskegon, Mich. (Tandem unit.)
Pointer-Williamette Co., P. O. Box 368, Edmonds, Wash.
Reynolds Mfg. Co., 600 Prospect Ave., Springfield, Mo. "Reyco Tandem."
Shamrock Trailers & Axle Mfg. Co., 13447 Schaefer St., Detroit, Mich.
Shuler Axle Co., 2901 S. 2nd St., Louisville 8, Ky.
Standard Forge & Axle Co., Hunter Sta., Montgomery 2, Ala. (Licensee.)
Steel Products Co., Inc., Box 1007, Savannah, Ga. "Great Dane."
Trailmobile, Inc., 31st & Robertson Ave., Cincinnati 9, Ohio.
Truck Equipment Co., 1791 Fillmore Ave., Buffalo 14, N. Y. "Gravity Springs."
Trucktor Corp., Route 29, Mountainside, N. J.
Union Metal Mfg. Co., 1432 Maple Ave., N. E., Canton 5, Ohio. "Hoobler." (Self-steering undercarriage.)
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif. (Licensors.)

AXLE UNITS, Third, Trucks

Cook Bros. Equipment Co., 3334 San Fernando Rd., Los Angeles 65, Calif. (Chain drive.)
Detroit Automotive Products Corp., 8701 Grinnell Ave., Detroit 13, Mich. "Thornton Four-Rear Wheel Drive." (Four wheel drive; also "Load Booster.")
F. A. B. Mfg. Co., 1249 67th St., Oakland 8, Calif. "Fabco."
Grico Two Axle Drive Co., 19840 Eight Mile Road, W. (Redford Station), Detroit 19, Mich.
Hendrickson Mfg. Co., 8001 W. 47th St., Lyons, Ill.
Little Giant Products, Inc., 1530 N. Adams St., Peoria 3, Ill.
Maxi Corp., 1584 E. 20th St., Los Angeles 54, Calif.
Neway Equipment Co., 1183 E. Laketon St., Muskegon, Mich.
Superior Trailer Works, 1430 E. Washington Blvd., Los Angeles 12, Calif. (Also four-wheel chain drives.)
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich.
Trailmobile, Inc., 31st & Robertson Aves., Cincinnati 9, Ohio.
Truck Engineering Corp., 1285 W. 70th St., Cleveland 2, Ohio.
Truck Equipment Co., 1791 Fillmore Ave., Buffalo 14, N. Y. "Gravity Springs," also "Truxmore."
Truckstell Mfg. Co., 1437 Union Commerce Bldg., Cleveland 14, Ohio. "Baumis."
Trucktor Corp., Route 29, Mountainside, N. J. (Also chain and sprocket drive.)
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Weber Trailer & Mfg. Co., 8400 Slauson Ave., Rivera, Calif. (Mailing address, P. O. Box 2473, Los Angeles 54, Calif.)

AXLES, Front

Chain Belt Co., 4733 W. Greenfield Ave., Milwaukee 1, Wis.. "Rex Spangler" (Dual-steering tandem.)
Clark Equipment Co., Buchanan, Mich. (Truck and bus.)
Eaton Mfg. Co., Axle Div., 739 E. 140th St., Cleveland 10, Ohio. (Truck.)
Hahn Motors Inc., 400 S. Third St., Hamburg, Pa. "Rex-Spangler." (Dual for trucks.)
Page and Page Co., 0605 S.W. Curry St., Portland, Ore.
Shuler Axle Co., 2960 Second St., Louisville 8, Ky.
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks and buses.)

AXLES, Front Drive

American-Coleman Co., Littleton, Colo. (For conversions of Ford, Chevrolet, International, G.M.C. and Dodge trucks.)
Northwestern Auto Parts Co., Napco Products Div., 834 N. Seventh St., Minneapolis 11, Minn. "Napco." (For Chevrolet & GMC trucks.)
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks.)

AXLES, Rear

Clark Equipment Co., Buchanan, Mich. (Truck and bus.)
Cook Bros Equipment Co., 3334 San Fernando Rd., Los Angeles 65, Cal.
Eaton Mfg. Co., Axle Div., 739 E. 140th St., Cleveland 10, Ohio.
Hendrickson Mfg. Co., 8001 W. 47th St., Lyons, Ill. (Wheel reduction.)
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Spicer-Salisbury."
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks.)

AXLES, Rear, Two-Speed

Eaton Mfg. Co., Axle Div., 739 E. 140th St., Cleveland 10, Ohio.
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich. (For trucks.)

AXLES, Trailer

Brown Corp., 213 Bellevue Ave., Syracuse, N. Y. (House.)
Fayette Mfg. Co., Fayette, Ohio.
French & Hecht, Div. of Kelsey-Hayes Wheel Co., 3rd & Farnam Sts., Davenport, Iowa.
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis. "Torq-less."
Grico Two Axle Drive Co., 19840 Eight Mile Road, W. (Redford Station), Detroit 19, Mich.
Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Calif. (Truck.)
Kingham Trailer Co., 15th & Hill Sts., Louisville, Ky. "Kingham-Universal."
Liggett Spring & Axle Co., Monongahela, Pa.
Shamrock Trailers & Axle Mfg. Co., 13447 Schaefer St., Detroit, Mich.
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
Slimp Axle Products, Highway 99 West (P. O. Box 449), Colton, Calif.
Spencer Mfg. Co., N. Main St., Spencer, Ohio.
Spencer-Safford Loadcraft, Inc., Augusta, Kan. "Loadcraft."
Springfield Body & Trailer Co., 1631 College St., Springfield, Ohio. "Frazier."
Standard Forge & Axle Co., Hunter Station, Montgomery 2, Ala.
Timken-Detroit Axle Div. of Rockwell Spring & Axle Co., 100 Clark Ave., Detroit 32, Mich.
Trucktor Corp., Route 29, Mountainside, N. J.
United Mfg. Co., 30 Interstate St., Bedford, Ohio. "Caravan."

BABBITT METALS

Aluminum Co. of America, 801 Gulf Bldg., Pittsburgh 19, Pa. (Aluminum alloys.)
Federated Metals Div., American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
Lumen Bearing Co., 197 Lathrop St., Buffalo 12, N. Y.
North American Smelting Co., Marine Terminal, Wilmington, Del.

BABBITTING MACHINES, See Machines, Babbitting

BALANCERS, Wheel

Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing 4, Mich. "Visubalancer," "John Bean."
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Bennett-Feragen, Inc., 1005 S. Lafayette Blvd., South Bend 18, Ind.
Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Hunter Engineering Co., Hunter Ave. & Ladue Rd., St. Louis 24, Mo.
Lambert, Inc., 513 Hunter Ave., Dayton, Ohio. "Balastat."
Lempco Products, Inc., 5490 Dunham Road, Bedford, Ohio. "Vibrascope."
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich. (Static.)
Morgan Wheel & Equipment Co., 2007 St. Mary's Ave., Omaha 2, Neb.
Schildmeier Co., H. C., 312 N. Senate Ave., Indianapolis 4, Ind. "Seal Line."
Speedmaster Ltd., 630 E. 10th St., Oakland 4, Calif.
Stephenson Foundry & Mfg. Co., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic." (Static and dynamic.)
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago, Ill. (Electronic.)
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. (Dynamic.)

BARS, Towing, One Man Type

Dutton-Lainson Co., Mfg. Div., Hastings, Neb. "Golden Rod."
Four Wheel Drive Auto Co., Eagle Div., 414 E. Winnebago St, Appleton, Wis.
Fulton Co., 1912 S. 82nd Ave., Milwaukee 14, Wis.
Marion Mfg. Co., N. Main St. at PRR, Marion, Ohio.
Pilot Mfg. Co., P. O. Box 900, Battle Creek, Mich. (Sole distributors Pilot Distributing Co., 31 South Pl., Battle Creek, Mich.)
Wood-Williams-Copp Mfg. Co., 5239 N. Michigan Ave., Ypsilanti, Mich. "Red Arrow."

BATTERIES, Dry

Bright Star Industries, 600 Getty Ave., Clifton, N. J.
Burgess Battery Co., Freeport, Ill.

BATTERIES—*continued*

General Dry Batteries, Inc., 131000 Athens Ave., W. Cleveland, Ohio.
Grant Storage Battery Co., 226 N. Second St., Minneapolis, Minn.
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis 6, Ind.
National Carbon Co. Div., Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y. "Everready."
Olin Industries, Inc., Electrical Div., 275 Winchester Ave., New Haven 4, Conn. "Olin."
Ray-O-Vac Co., 212 E. Washington Ave., Madison 10, Wis.
Underwood Battery Co., 1250 Ontario St., Cleveland, Ohio. (Flashlight.)
Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio.

BATTERIES, Storage

American Battery Co., 1520 McGavock St., Nashville 3, Tenn.
Am-Plus Storage Battery Co., 1000 W. 94th St., Chicago 20, Ill.
Atlantic Battery Co., 80 Elm St., Watertown 72, Mass.
Auto-Lite Battery Corp. (Sub. of Electric Auto-Lite Co.), Toledo 1, Ohio.
Bowers Battery & Spark Plug Co., Reading, Pa.
Chicago Forging & Mfg. Co., 2000 Southport Ave., Chicago 14, Ill. "Varley."
Crescent Battery & Light Co., 818 Camp St., New Orleans 12, La.
Cumberland Battery Mfg. Co., 201 First Ave., S., Nashville 3, Tenn. "Southern."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Douglas Battery Mfg. Co., Winston-Salem, N. C.
Ebert-Allen Battery Co., 2225 Main St., Joplin, Mo. "Cargo," "Major."
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa. "Exide."
The Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron 17, Ohio.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Geidel Battery Mfg. Co., 3393 Bigelow Blvd., Pittsburgh 19, Pa.
General Lead Batteries Co., 196 W. Railway Ave., Paterson, N. J. "Titan," "Durex." "Royal."
Gill Electric Mfg. Corp., 624 W. Citrus Ave., Redlands, Cal.
Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio.
Gould-National Batteries, Inc., First Nat'l Bank Bldg., St. Paul 1, Minn. "Kathanode."
Grant Scott Marlott Battery Div., 1112 Industrial Ave., Danville, Ill.
Grant Storage Battery Co., 226 N. Second St., Minneapolis, Minn.
Great Northern Battery Co., 805 S. Fifth St., Milwaukee 4, Wis.
Hester Battery Mfg. Co., 10 Culvert St., Nashville, Tenn.
Hobbs Battery Co., 1000 42nd St., Oakland, Calif. "Gold-Seal," "Hobbs," "Triple A."
Kelly-Springfield Tire Co., Cumberland, Md.
Laher Battery Production Corp., 2615 Magnolia St., Oakland, Cal. "Exeter," "Laher" and "Richmond."
Lee Rubber & Tire Corp., Conshohocken, Pa.
Life-Long Battery Mfg. Corp., 11766 W. Pico Blvd., Los Angeles 64, Calif.
Loreman Automotive Products, Moore & Division Sts., Salisbury, Md.
Monark Battery Co., 6501 W. Grand Ave., Chicago, Ill. "Combat," "Interstate," "Invader," "Monark," "Majestic."
Multnomah Battery Mfg. Co., 1901 N. W. Wilson St., Portland 9, Ore.
Patterson Corp., 437 Park Ave., N.W., New Philadelphia, Ohio. "Bowers," "Penn."
Pennsylvania Tire Co., P. O. Box 377, Mansfield, Ohio.
Perrine Quality Products Corp., 55 Rumford Ave., Waltham, Mass. "Perrine Polar Bear."
Perry Batteries, 3102 Corunna Road, Flint 3, Mich.
Prest-O-Lite Battery Co., Toledo 1, Ohio.
Price Battery Corp., Hamburg, Pa., "Thor," "Lyons" (Sole distributors, Lyons Storage Battery Co., Hamburg, Pa.; "Witherbee," sole distributor, Witherbee Storage Battery Co., Hamburg, Pa.).
Prime Battery Mfg. Co., 2001 W. 8th St., Anderson, Ind.
Pure Oil Co. 35 E. Wacker Drive, Chicago 1, Ill.
Reading Batteries, Inc., Box 916, Reading, Pa. "Rebat."
Red Diamond Battery Mfg. Co., 1415 N. Adams St., Peoria 3, Ill.
Reliance Battery Products Co., 2211 S. Eighth St., Council Bluffs, Iowa. "Marathon," "Packard," "Reliance."
Socony-Vacuum Co., 26 Broadway, N. Y. 4, N. Y.
Solar Corp., 647 W. Virginia St., Milwaukee 4, Wis.
Sonotone Corp., Battery Div., Elmsford, N. Y.
Standard Electric Co., 115 San Pedro Ave., San Antonio, Tex. "Reliable," "Star," "Stelco," "Ful-O-Pep," "Comet."
Surrette Storage Battery Co., Jefferson Ave., Salem, Mass.
United Motors Service, General Motors Bldg., Detroit 2, Mich.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Universal Battery Co., 3410 S. La Salle St., Chicago 16, Ill. "Universal," "Coliseum."
Volta Battery Corp., 1000 E. 87th St., Chicago 19, Ill.
Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio.
Wisconsin Storage Battery Co., 1222-18th St., Racine, Wis. "Wisco."
Witherbee Storage Battery Co., Hamburg, Pa.

BATTERY CHARGERS, See Chargers, Battery.

BEARING and CON ROD SERVICE

Federal-Mogul, Detroit 13, Mich.

BEARINGS, Ball

Aetna Ball & Roller Bearing Co., Div. of Parkersburg-Aetna Corp., 4600 Schubert Ave., Chicago 39, Ill. (Thrust and angular contact.)
Ahlberg Bearing Co., 3025 W. 47th St., Chicago 32, Ill.
American Ball Bearing Co., 70 Flushing Ave., Brooklyn 1, N. Y.
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Automatic Thrust Bearings Corp., 2021 S. Michigan Ave., Chicago 16, Ill.
Ball & Roller Bearing Co., 22 Maple Ave., Danbury, Conn. "B&RB."
Bearings Co. of America, 501 Harrisburg Ave., Lancaster, Pa. "BCA."
Bearings Industry Co., 311 W. 56th St., New York 19, N. Y. ("BIC"; "R & M" [Imported].)
Boston Gear Works, Div. Murray Corp., 14 Hayward St., Quincy 71, Mass.
Burgess-Norton Mfg. Co., 731 Peyton St., Geneva, Ill. (Assemblies.)
Consolidated Bearings Co., 13 Princeton St., East Orange, N. J. "SRO."
Fafnir Bearing Co., 37 Booth St., New Britain, Conn.
Federal Bearings Co., 17 Fairview Ave., Poughkeepsie, N. Y.
Green Ball Bearing Co., 9518 Cassius Ave., Cleveland 5, Ohio.
Gwilliam Co., 360 Furman St., Brooklyn 2, N. Y.
Heim Co., 46 Sanford St., Fairfield, Conn.
Hoover Ball & Bearing Co., Ann Arbor, Mich.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Kaydon Engineering Corp., Muskegon, Mich.
L & S Bearing Co., 6 S. Pennsylvania Ave., Oklahoma City, Okla.
McGill Mfg. Co., 259 Indiana Ave., Valparaiso, Ind.
Majestic Bearing Co., 2515 S. Wabash Ave., Chicago 16, Ill. (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Marlin-Rockwell Corp., 402 Chandler St., Jamestown, N. Y. "M-R-C." (Sole distributors to replacement trade, M-R-C Bearings Service Co., Jamestown, N. Y.)
Master Parts Div., Airtex Products Inc., Fairfield, Ill.
New Departure Div. General Motors Corp., Bristol, Conn. (Steel.)
Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.
Norma-Hoffmann Bearings Corp., Hamilton Ave., Stamford, Conn.
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Powercraft Corp., 2515 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 Wabash Ave., Chicago, Ill.)
SKF Industries, Inc., Front St. & Erie Ave., Philadelphia 32, Pa.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Stephens-Adamson Mfg. Co., 150 Ridgeway St., Aurora, Ill. "Sealmaster."
Thomson Industries, Inc., 1029 Plandome Rd., Manhasset, N. Y.
United Motors Service, General Motors Bldg., Detroit 2, Mich.
Wagner Mfg. Co., E. R., 4611 N. 32nd St., Milwaukee 16, Wis.

BEARINGS, Clutch Throwout

Accurate Parts Mfg. Co., 1600 S. Ashland Ave., Chicago 8, Ill.
Aetna Ball & Roller Bearings Co., Div. of Parkersburg-Aetna Corp., 4600 Schubert Ave., Chicago 39, Ill. (Ball; sole distributors to replacement trade, Automotive Thrust Bearings Corp., 2021 S. Michigan Ave., Chicago 16, Ill.)
Airtex Automotive Div., Airtex Products Inc., Fairfield, Ill.
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Automotive Thrust Bearings Corp., 2021 S. Michigan Ave., Chicago 16, Ill. "A.T.B."
Bearings Co. of America, 501 Harrisburg Ave., Lancaster, Pa. "BCA."
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Green Ball Bearing Co., 9518 Cassius Ave., Cleveland 5, Ohio.
L & S Bearing Co., 6 S. Pennsylvania Ave., Oklahoma City, Okla.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Master Parts Div. Airtex Products Inc., Fairfield, Ill.
Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.
Perfection Gear Co., 152nd St. & Viscennes Ave., Harvey, Ill.
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa. "Purebon."
Randall Graphite Bearings, Inc., Greenlawn & Lake Sts., Lima, Ohio. (For Chevrolet, Pontiac and Oldsmobile cars.)
SKF Industries, Inc., Front St. & Erie Ave., Philadelphia 32, Pa.
Schatz Mfg. Co., Poughkeepsie, N. Y.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

BEARING LEAK DETECTORS, See Testers, Bearing Wear

BEARINGS, Roller

Aetna Ball & Roller Bearing Co., Div. of Parkersburg-Aetna Corp., 4600 Schubert Ave., Chicago 39, Ill.
American Ball Bearing Co., 70 Flushing Ave., Brooklyn 1, N. Y.
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Automotive Thrust Bearings Corp., 2021 S. Michigan Ave., Chicago 16, Ill.
Ball & Roller Bearing Co., 22 Maple Ave., Danbury, Conn. "B&RB."
Bearings Industry Co., 311 W. 56th St., New York 19, N. Y. ("BIC"; "R & M." Imported.)
Bower Roller Bearing Co., Hart & Goethe Aves., Detroit 14, Mich. (Distributors to replacement trade, Federal Mogul Service Div., Detroit 13, Mich.)
Consolidated Bearings Co., 13 Princeton St., East Orange, N. J. "SRO."
Federal-Mogul Service, Div. Federal-Mogul Corp., Detroit 13, Mich.
Geneva Metal Wheel Co., 191 Factory Row, Geneva, Ohio.
Gwilliam Co., 360 Furman St., Brooklyn 2, N. Y.
Heim Co., 46 Sanford St., Fairfield, Conn.
Hoover Ball & Bearing Co., Ann Arbor, Mich.
Hyatt Bearings Div., General Motors Corp., Harrison N. J.
Industrial Engineering Co., Island Rd. & Suffolk Ave., Philadelphia 42, Pa.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Kaydon Engineering Corp., Muskegon, Mich.
L & S Bearing Co., 6 S. Pennsylvania Ave., Oklahoma City, Okla.
McGill Mfg. Co., 259 Indiana Ave., Valparaiso, Ind.
Majestic Bearing Co., 2515 S. Wabash Ave., Chicago 16, Ill. (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)

LS builder, R. P. Olsen & Son, Omaha, built this 9-foot refrigerated body for Wilber Wiener, Co., Wilber, Neb.

This 23'L x 7½'W x 8'H van body was built of LS by General Body Co., Chicago for Hassett Storage & Moving, a Chicago, Ill., member of Allied Van Lines.

Whether Your Trucks are LARGE or small

—you can get an LS Body tailored to the exact size *you* need for efficient, LOW-COST operation

There's no limit to size of truck bodies built from Lindsay Structure... whether your trucks are large or small, you can benefit from the many money-saving advantages of a functional LS body tailor-made for your specific delivery operation.

The Lindsay method utilizes die-formed standardized LS components fabricated in 78,085 panel sizes... enables body manufacturers to give prompt delivery on a steel or aluminum LS truck body tailored to the exact size and style you need for efficient, low-cost operation.

And, careful standardization of LS parts simplifies repair and maintenance... assures complete uniformity of a fleet's truck bodies—wherever and whenever built.

For years and years of efficient, low-cost operation—equip your next truck with a LS body in *steel or aluminum* . . . it will be one of the best investments you ever made.

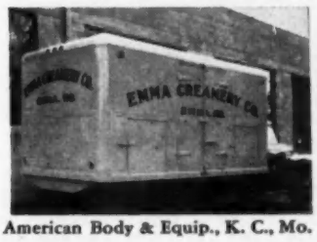
There are over 200 LS body manufacturers in the U. S. and Canada to serve you. Or, if you prefer, we will gladly work with you and the manufacturer of your choice. Investigate Lindsay Structure today. Write Lindsay Structure, Inc., 5000 W. Dempster St., Skokie, Ill. In Canada—Lindsay-Wilson, Ltd., 1466 Lake Shore Rd., Long Branch, Ont.

Auto Body Works, Appleton, Wis.

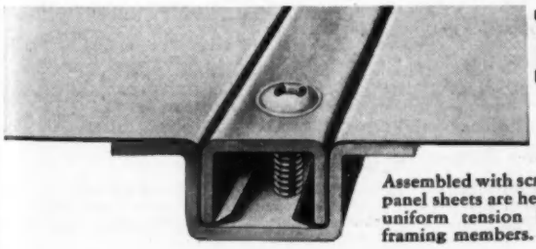
Wilson Motor Bodies, Toronto

Quality Equip. Co., Charlotte, N. C.

Lawrie Wagon & Carriage, Winnipeg



American Body & Equip., K. C., Mo.



Assembled with screws, the panel sheets are held under uniform tension between framing members.

LINDSAY LS STRUCTURE

Lindsay Structure, Inc.
5000 West Dempster St., Skokie, Illinois

U. S. Patents 2017629, 2263510, 2263511
U. S. and Foreign Patents and Patents Pending

BEARINGS, Roller—*continued*

Norma-Hoffmann Bearing Corp., Hamilton, Ave., Stamford, Conn.
Orange Roller Bearing Co., 557 Main St., Orange, N. J.
Powercraft Corp., 2515 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Roller Bearing Co. of America, Whitehead Rd., Trenton 3, N. J. "20th Century," "R B C," "Cyclops," "Pitchlign."
Rollway Bearing Co., 541 Seymour St., Syracuse 4, N. Y.
SKF Industries, Inc., Front St., & Erie Ave., Philadelphia 32, Pa.
Timken Roller Bearing Co., 1835 Dueber Ave., S. W., Canton 6, Ohio.
Torque Mfg. Co., 5239 Tillman Ave., Detroit 8, Mich. (Universal joint.)
Torrington Co., 56 Field St., Torrington, Conn.
Tyson Bearing Corp., Oberlin & Thomas Aves., Massillon, Ohio.
United Motors Service, General Motors Bldg., Detroit 2, Mich.

BEARINGS and BUSHINGS

Al-Fin Div., Fairchild Engine & Airplane Corp. Farmingdale L. I., N. Y. (Aluminum lined, semi-finished.)
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. "Bohnalite." (Sole distributors to replacement trade, Aluminum Industries, Inc., 2438 Beekman St., Cincinnati, Ohio.)
Buckeye Brass & Mfg. Co., 6410 Hawthorne Ave., Cleveland 3, Ohio.
Bunting Brass & Bronze Co., 715 Spencer St., Toledo 9, Ohio.
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. (Also sole distributors to replacement trade, Clevite Service, Div. of Clevite Corp., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth" bearings.)
Detroit Aluminum & Brass Corp., 3975 Christopher Ave., Detroit 11, Mich. (Bearings.)
Dura-Bond Bearing Co., 715 Loma Verde Ave., Palo Alto, Calif. (Babbitt lined bearings.)
Federal-Mogul Corp., 11031 Shoemaker Rd., Detroit 13, Mich.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. (Bearings.)
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis, Ind.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo. (Bearings.)
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio.
Morris Co., J. Leslie, 4227 Whiteside St., Los Angeles 63, Calif. "Moroloy."
National Molded Products, Inc., 40 S. St. Marys St., St. Marys, Pa.
Pioneer Motor Bearing Co., 790 Eddy St., San Francisco 9, Calif. (Babbitt lined.)
Randall Graphite Bearings, Inc., Greenlawn & Lake Sts., Lima, Ohio. (Bearings.)
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. (Engine bearings.)
United Motors Service, General Motors Bldg., Detroit 2, Mich.
Wolverine Gear & Parts Co., Osseo, Mich. (Camshaft bearings.)

BELTS, Fan and Accessories

Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Boston Woven Hose & Rubber Co., P. O. Box 101, Boston 3, Mass. "Bull Dog."
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Continental Rubber Works, 1946 Liberty St., Erie, Pa.
Crown Products Co., Ralston, Neb.
Dallas Mfg. & Sales Co., P. O. Box 7181, Dallas, Texas.
Dayton Rubber Co., Box 1004, Dayton, Ohio.
Durkee-Atwood Co., 215 Seventh St., N. E. Minneapolis 13, Minn.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. "Longlife."
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio.
Grey-Rock Div. of Raybestos-Manhattan, Inc. Manheim, Pa.
Haywood Industries, P. O. Box 1004, Dayton 1, Ohio. "Modac."
Kelly-Springfield Tire Co., Cumberland, Md.
Loreman Products, Moore & Division Sts., Salisbury, Md.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill. "Pure-Sure"
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper," "Miracle."
Raybestos Div. of Raybestos-Manrattan, Inc., 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Thermold Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

BENCH DRILLS, See Drill Presses

BENDERS, Tube

Capewell Mfg. Co., 60 Governor St., Hartford, Conn. "Armstrong-Bridgeport."
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Erco."
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Farrell-Cheek Steel Co., Ft. Madison St., Sandusky, Ohio.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Leonard Precision Products Co., 10052 Larson Ave., Garden Grove, Calif. "Leonard-Douglas."
Logansport Machine Co., Center Ave., Logansport, Ind.
O'Neill-Irwin Mfg. Co., Lake City, Minn, "Di-Arco."
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Parker Appliance Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Paul Machine Tool & Die Works, 4600 S. Kedzie Ave., Chicago 32, Ill.
Pines Engrg. Co., 601 Walnut St., Aurora, Ill.
Tal Bender, Inc., 417 N. Water St., Milwaukee 2, Wis. "Tal Prestal."
Williams, White & Co., Third Ave. & Eighth St., Moline, Ill.

BINDERS, See Load Binders

BINS, Parts Storage

Akro-Mils Inc., 820 E. Market St., Akron 5, Ohio.
American Metal Products Co., 5959 Linsdale Ave., Detroit 4, Mich.
Bay Products, Inc., 3001 N. 16th St., Philadelphia 32, Pa.
Berger Mfg. Div. Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio.
Burroughs Mfg. Co., 3002 N. Burdick St., Kalamazoo, Mich. "Flexi-Bins" & "Handee-Andee."
Equipto Div. of Aurora Equipment Co., Prairie St. at Cleveland Ave., Aurora, Ill.
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Fort Steuben Metal Products Co., Follansbee, W. Va.
Franklin Co., Bernard, Healey & Bath Sts., Philadelphia 37, Pa.
Frick-Gallagher Mfg. Co., 200 W. Second St., Wellston, Ohio. "F G M."
Heller & Co., W. C., 1907 Wabash Ave., Montpelier, Ohio.
Hope Metal Products Co., 1505 Rockwell Ave., Cleveland 14, Ohio.
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Midland Mfg., Inc., 1100 S. McComa's St., Wichita 12, Kan. (Steel.)
Miller Wood Products Co., Greater Rockford Airport, Rockford, Ill.
Neiman Steel Equipment Co., 2960 E. Venango St., Philadelphia 34, Pa.
Red Tiger Products, Inc., 20 N. Wacker Drive, Chicago 6, Ill.
Renie Metal Products Corp., 807 Bowman St., Mansfield, Ohio. "Remco," "Rempco."
Star Steel Equipment Co., 117-20 14th Rd., College Point, L. I., N. Y. (Steel.)

BLADES, Saw, Band

American Saw & Mfg. Co., 67 Boylston St., Springfield, Mass. "Lenox."
Atkins Saw Div., Borg-Warner Corp., 402 S. Illinois St., Indianapolis 9, Ind. "Silver Steel."
Capewell Mfg. Co., 60 Governor St., Hartford 2, Conn.
Chicago Saws, Inc., 6137 S. Oak Park St., Chicago 9, Ill.
Diamond Saw Works, Inc., 260 Court St., Buffalo 2, N. Y. "Sterling" & "Super Sterling."
Disston & Sons, Henry, Tacony, Philadelphia 35, Pa.
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Foster Mfg. Co., 287 Delaware Ave., Buffalo 2, N. Y.
Griffin Co., G. W., 93 Memorial St., Franklin, N. H. (Sole distributors, John H. Graham & Co., 105 Duane St., New York 8, N. Y.)
Lippert Saw Co., E. T., 608 Lincoln Ave. (Millvale), Pittsburgh 9, Pa.
Millers Falls Co., Greenfield, Mass. "Universal."
Napier Saw Works, 22 Cottage St., Middletown, N. Y. "Quality."
Rockwell Tools, Inc., 1314 Kinnear Rd., Columbus 8, Ohio.
Simonds Saw & Steel Co., 470 Main St., Fitchburg, Mass.
Spartan Saw Works, Inc., 152 Fisk Ave., Springfield 7, Mass.
Victor Saw Works, 22 Cottage St., Middletown, N. Y.

BLADES, Saw, Circular

Atkins Saw Div., Borg-Warner Corp., 402 S. Illinois St., Indianapolis 9, Ind. "Silver Steel."
Chicago Saws, Inc., 6137 S. Oak Park St., Chicago 9, Ill.
Circular Tool Co., 765 Allens Ave., Providence, R. I. "Circle R."
Cowles Tool Co., 2086 W. 110th St., Cleveland, Ohio.
Disston & Sons, Henry, Tacony, Philadelphia 35, Pa.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Lippert Saw Co., E. T., 608 Lincoln Ave. (Millvale), Pittsburgh 9, Pa.
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. (Mica undercutting.)
Page Slotting Saw Co., 1836 Laurence Ave., Toledo 6, Ohio.
Retool Corp., 4540 W. Burnham St., Milwaukee 46, Wis.
Rockwell Tools, Inc., 1314 Kinnear Rd., Columbus 8, Ohio.
Simonds Saw & Steel Co., 470 Main St., Fitchburg, Mass.
Standard Tool Co., 3950 Chester St., Cleveland 14, Ohio.
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.

BLEEDERS, Hydraulic Brake

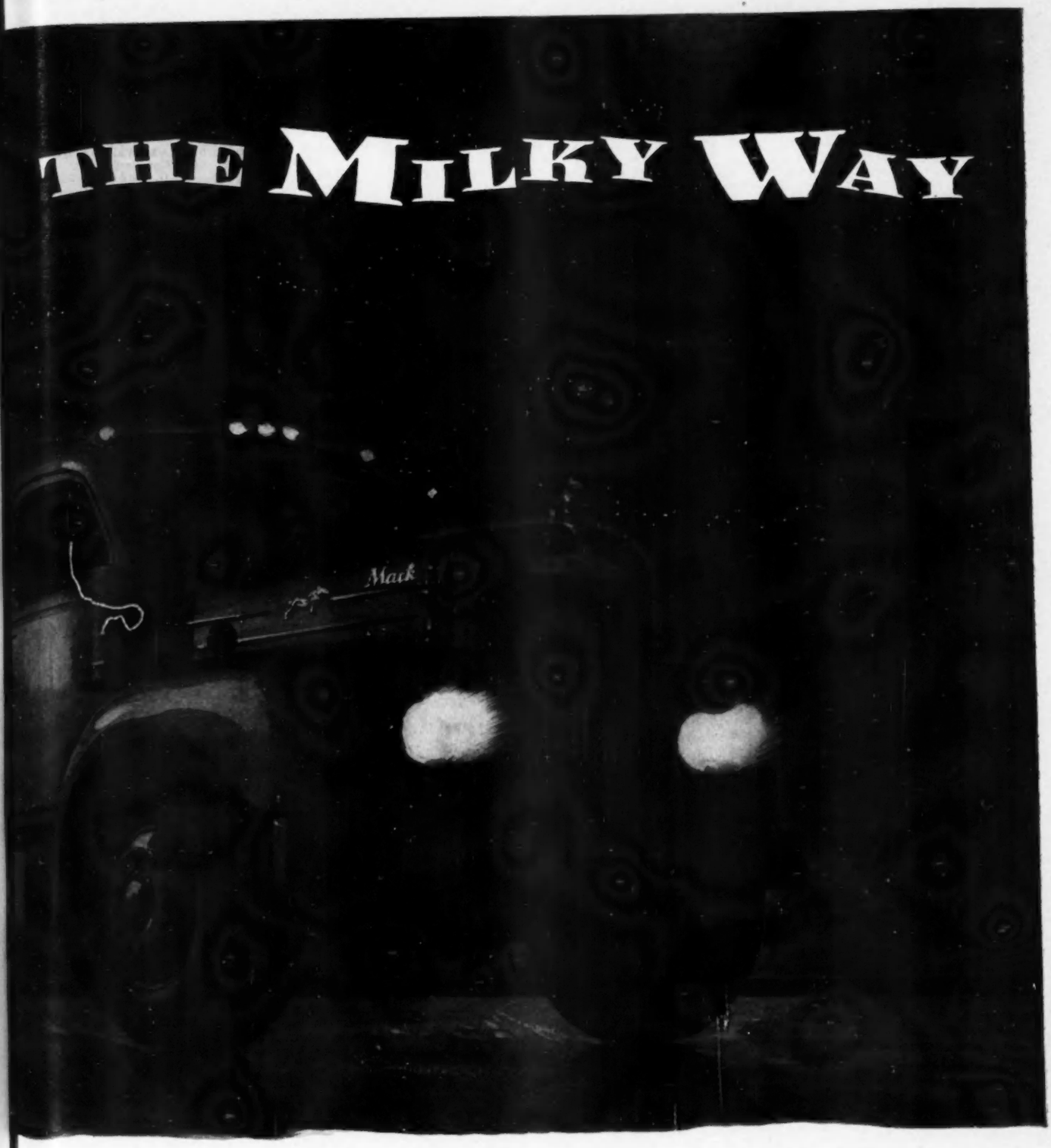
Arsco Mfg. & Sales Corp., 451-10th Ave., New York 18, N. Y.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Bennett-Feragen, 1408 Jerome St., Niles, Mich.
Dixie Machine Tool Div., 25 E. Third St., Covington, Ky. (P. O. Box 66, Cincinnati 30, Ohio.)
Eis Automotive Corp., Middletown, Conn.
Grigg Specialty Tools, 8103 Marbrisa Ave., Huntington Park, Calif.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Puritan Co., 961 Lyell Ave., Rochester 6, N. Y.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Supco Div. of Lisle Corp., 805 E. Main St., Clarinda, Iowa.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.
Wilco Products Inc., 595 Valley St., Orange, N. J.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

BLOCKS, CRANE and DERRICK, See Cranes, Crawler & Truck Mounted

BLOCKS, BRAKE, See Lining, Brake

BLUE, Mechanics'

Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Durkee-Atwood Co., 215 Seventh St., N.E., Minneapolis 13, Minn.



Whatever your hauling job may be, you couldn't have a better guide than the experience of these operators who do a major share of the milk hauling into New York City. All use Macks. Many have been relying on Macks since the early days of truck transport.

Adler's Creamery—Bronx, N. Y.
Adler's Dairy—Ft. Plain, N. Y.
Babylon Milk and Cream Co.—Lindenhurst, N. Y.
Ralph Beyer—Schenectady, N. Y.
Beyer Trucking Co.—Schenectady, N. Y.
C & E Trucking Corporation—Rhinebeck, N. Y.
Robert H. Carr—Malvern, Penna.
Burton Coons—Tivoli, N. Y.
Dairy Express Inc.—Ft. Edward, N. Y.
Dairymen's League Co-op Association—New York, N. Y.
Herman R. Ewell—Lancaster County, Penna.
John S. Ewell—Lancaster County, Penna.
Fair Play Trucking Co., Inc.—Brooklyn, N. Y.
Farm & City Trucking Corporation—Hyde Park, N. Y.
Gilnack Trucking Co., Inc.—Hyde Park, N. Y.
Glennon's Milk Service, Inc.—West Chester, Penna.
Gold Medal Farms, Inc.—Bronx, N. Y.
Green's Ice Cream—Schenectady, N. Y.
H & M Trucking—Little Ferry, N. J.
M. L. Harris—Fultonville, N. Y.
Edwin N. High—Lancaster County, Penna.
Irona Creameries—Plattsburg, N. Y.
Le Maine Truck Renting Co., Inc.—Brooklyn, N. Y.
Henry Leswing—Rochelle Park, N. J.
Lynch Bros.—New Hampton, N. Y.
M & W Transportation Company—Central Valley, N. Y.
Marcus Trucking Company, Inc.—Monroe, N. Y.
Markson Sales & Trucking, Inc.—Middletown, N. Y.
H. L. & F. McBride—Goshen, N. Y.
Palmer Transfer—Moscow, Pennsylvania
Pennsylvania Petroleum Transportation Co.—Philadelphia, Pa.
Marshall Pombrio—Plattsburg, N. Y.
H. H. Senger—Smyrna, Del.
Mona Terry—Saratoga, N. Y.
Turco Milk Transportation Company—Highland Mills, N. Y.
Leland Tuttle—Delhi, N. Y.
Van Rompaye Trucking Corporation—Chester, N. Y.

BLUE, Mechanics—*continued*

Dykem Co., 2301 N. 11th St., St. Louis 6, Mo.
Permatex Co., 1720 Ave. Y., Brooklyn 29, N. Y.
Van Cleef Bros., Inc., 7800 So. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand."

BODIES, Ambulance and Funeral

Eureka Co., 312 W. First St., Rock Falls, Ill.
Franklin Body & Equipment Corp., 1042 Dean St., Brooklyn, N. Y. (Ambulance.)
Hesse & Eisenhardt Co., 8959 Blue Ash Ave., Rossmoyne, Ohio.
Meteor Motor Car Co., 125 Clark Ave., Piqua, Ohio.
Miller Co., A. J., Bellefontaine, Ohio.
National Body Mfg. Co., Knightstown, Ind.
Roehlk Spring and Body Co., 417 S. 15th St., St. Louis 3, Mo.
Shop of Siebert, Waterville, Ohio.

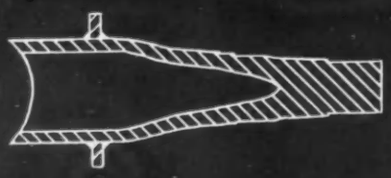
BODIES, Commercial

Allegheny Body Co., 1633 N. 6th St., Phila. 22, Pa.
Aluminum Body Corp., 1600 W. Washington Blvd., Montebello, Calif.
American Body & Equipment Co., P. O. Box 3107, Dallas 1, Tex. (Insulated and refrigerated.)
American Body & Trailer, Inc., P. O. Box 1150, Oklahoma City 1, Okla.
American Fire Apparatus Co., Golden Ave. at Main St., Battle Creek, Mich. (Fire fighting apparatus.)
American Truck & Body Co., Martinsville, Va. "Pack-Haulers."
Andrews Industries, Inc., 7901 Alabama Ave., St. Louis 11, Mo.
Arkansas Machine Specialty Co., Hope, Ark. (Bottlers'.)
Ashton Power Wrecker Equip. Co., 1701 W. Lafayette St., Detroit 16, Mich.
Atlas Body Corp., 4150 E. Thompson St., Philadelphia 37, Pa. "Berger."
Auto Body Works, Pierce Ave. & Eighth St., Appleton, Wis. "Pierce." (Fire fighting equipment, utility, refrigerated, bottlers', etc.)
Badger Body Mfg. Co., 2719 Cuming St., Omaha, Neb. (Combination grain and stock.)
Baker Equipment Engrg. Co., Summit & Norfolk Sts., Richmond 11, Va. (Also public utility.)
Baker Trailer & Body Co., 700 N. 20th St., St. Louis 3, Mo.
Baltimore Body Corp., 2253 Kirk Ave., Baltimore, Md.
Barkow Co., H., 153 N. Milwaukee St., Milwaukee 2, Wis.
Barry & Baily Co., 2419 N. 27th St., Philadelphia 32, Pa.
Bartlett Trailer Corp., 3080 Archer Ave., Chicago 8, Ill.
Batavia Body Co., 5 W. Wilson St., Batavia, Ill. (Refrigerator.)
Baughman Mfg. Co., Shipman Rd., Jerseyville, Ill.
Belgrade Wagon Works, 3740 E. Thompson St., Philadelphia 37, Pa.
Belmont Body Builders, 175 Belmont Ave., Newark 3, N. J.
Black & Sons, Inc., Adam, 276 Tonnele Ave., Jersey City 6, N. J. (Refrigerator.)
Boardman Co., 1401 S. W. 11th St., Oklahoma City, Okla. (Special duty.)
Bolick Sons Co., Jerome, Conover, N. C.
Born & Sons, Herman, 219 N. Fremont Ave., Baltimore 1, Md.
Borum, Son & Co., J. W., 716 Freemason St., Norfolk, Va. (Stake, beverage and van.)
Boyertown Auto Body Works, Inc., Third & Walnut Sts., Boyertown, Pa.
Brandt, Inc., Charles T., Body Div., 201 N. Haven St., Baltimore 24, Md.
Brightbill Body Works, Inc., M. A., Lebanon, Pa.
Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
C & C Trailer & Body Co., 8855 San Leandro St. Oakland 21, Calif.
Carnegie Body Co., 6115 Carnegie Ave., Cleveland 3, Ohio.
Cato Trailer Service Co., White Horse Rd., Greenville, S. C. (Truck and trailer.)
Chadwick, Inc., Seventh St. & Keystone Ave., Darby, Pa.
Chain Belt Co., 4733 W. Greenfield Ave., Milwaukee 1, Wis. "Rex Motor-Mixer" (Ready mixed concrete.)
Checker Cab Mfg. Corp., 2016 N. Pitcher St., Kalamazoo, Mich.
Clark Co., B. M., Union, Maine.
Clayson-Lorenz Co., 4058 W. Chicago Ave., Chicago 51, Ill. (Custom built.)
Cliffside Body Corp., 230 Laird Ave., Cliffside Park, N. J. (Steel.)
Coach & Body Corp., North Bend, Wash.
Cook Body Co., 2433 Wilkinson Blvd., Charlotte 8, N. C. (Van platform, stake.)
Corbitt Co. Div. of United Industrial Syndicate, Inc., Henderson, N. C.
Couse Mfg., Inc., 300 Passaic St., Newark 4, N. J. (Armored.)
Cresci, A., & Son, Boulevard & Grape Sts., Vineland, N. J.
Crown Body & Coach Corp., 2500 E. 12th St., Los Angeles 21, Calif.
Crown Steel Products Co., Orrville, Ohio. (Utility.)
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
De Hart & Son, H. A., Crown Pt. Rd., Thorofare, N. J.
DeKalb Commercial Body Co., W. 229 Garden St., DeKalb, Ill. (Stake, milk delivery, freighter vans, bakery, laundry, refrigerator, parcel delivery, etc.)
Delphi Body Works, 311 S. Washington St., Delphi, Ind. (Public utility.)
Diehl & Sons, Inc., 129 Atlantic Ave., Richmond Hille 19, N. Y.
Dixie Tallyho, Inc., Fairburn, Ga. (Unit which converts truck into station wagon for pickup bodies.)
Driban Body Works, 1310 S. Second St., Philadelphia, Pa.
Dura-Bilt Body Co., Bldg. No. 8, National Dock, East Boston 28, Mass.
Edwards Trailer Co., Div. of Edwards Iron Works, Center Line, Mich. (Mailing address 23500 Sherwood Rd., Detroit 34, Mich.)
Evans Mfg. Co., John, (3 miles south of Hwy. 15A), Sumter, S. C.
Farrell Mfg. Co., 804 E. Cass St., Joliet, Ill. (Public utility.)
Feigelson Co., Alex., 500 S. Fourth St., Beaumont, Tex. (Stake and platform.)
Finn Auto Body Co., 15 W. Charlton St., Cincinnati 19, Ohio.
Finnesey Body Co., 811 W. Taney St., Phila. 30, Pa.
Fontaine Truck Equipment Co., 1232 37th Pl. N., Birmingham, Ala.
Four Wheel Drive Auto Co., Eagle Div., 414 E. Winnebago St., Appleton, Wis. (Utility line construction.)
Franklin Auto Body & Equipment Corp., 1042 Dean St., Brooklyn, N. Y.
G & G Mechanical Co., 722 N. Main St., Fort Worth 6, Texas.
General Body Mfg. Co., 713 W. Pennway, Kansas City, Mo.
Gentry Body & Trailer Co., N. Fourth St., Chickasha, Okla.
Gertenslager Co., Wooster, Ohio. (Custom-made.)
Giant Mfg. Co., 12th Ave. & S. Sixth St., Council Bluffs, Iowa. (Farm and City Stake.)
Gichner Iron Works, Inc., Fred S., 1214-24th St. N. W., Washington 7, D. C. (Glass industry, soft drink, etc.)
Giffel Body Mfg. Co., 845 Lafayette Ave., Terre Haute, Ind. (Refrigerated.)
Gindy Mfg. Co., Boot Rd. & Chestnut St., Downingtown, Pa.
Gramm Trailer Corp., First Lima Bldg., Lima, Ohio.
Hackney Bros. Body Co., Goldsboro St., Wilson, N. C. (Refrigerator, van, dairy and utility.)
Hackney & Son, J. A., 400 Hackney Ave., Washington, D. C.
Halsey Machine & Mfg. Co., 131 Arrowhead Ave., San Bernardino, Calif. (Bottling and oil.)
Hayes Mfg. Corp., 551 Seventh St., N.W., Grand Rapids 2, Mich.
Hercules-Campbell Body Co., Tarrytown, N. Y.
Hercules Mfg. Co., 1501 W. Franklin St., Evansville 10, Ind.
Hercules Steel Products Co., Box 477, Galion, Ohio.
Herman Body Co., 4400 Clayton Ave., St. Louis 10, Mo. (Refrigerated, delivery van, bottlers, etc.)
Hesse Carriage Co., 1720 Cherry St., Kansas City, Mo.
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis. (Public utility.)
Hobbs Mfg. Co., 609 N. Main St., Fort Worth 1, Tex.
Hoffman Auto Body Service, Inc., 1480 N. Grant Ave., Columbus, Ohio. (Insulated & refrigerated.)
Hoiby Body Co., E., 2010 Washington Ave., N., Minneapolis, Minn.
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio.
Hooper Body Corp., 31 St. & Warwick Ave., Newport News, Va. "Hooper-Bilt."
Hoosier Bodies, Inc., P. O. Box 277, Richmond, Ind.
Hubbard Mfg. Co., Farmland, Ind. (Service car.)
Hughes-Keenan Corp., Delaware, Ohio.
Hutchens & Son Metal Products, Inc., E. Division St., Springfield, Mo.
Industrial Steel Tank & Body Works, 5755 Landregan St., Emeryville, Calif.
Jannell & Son Body Co., Cumberland Hill Rd., Woonsocket, R. I.
Jefferson Body Co., 1711-3rd Ave., S., Birmingham 3, Ala.
Jensen's Body Shop, Phillips, Wis.
Joplin Body & Trailer Co., 730 E. Fifth St., Joplin, Mo.
Kammer Body Corp., 150 Beaver St., Jamaica 4, N. Y.
Kennedy Mfg. Co., 501 N. Monroe St., Streator, Ill. (Grain, live stock.)
Kensington Wagon Works, 2756 Frankford Ave., Philadelphia 34, Pa.
Kentucky Mfg. Co., 2601 S. Third St., Louisville 8, Ky.
Ketter Truck Bodies, Third & Ellison Ave., Ironton, Ohio. "Markette."
Kewanee Mfg. Co., 1642 Burlington Ave., Kewanee, Wis.
Keystone Trailer & Equipment Co., 1501 Guinotte Ave., Kansas City 1, Mo.
Keystone Wagon Works, Inc., C St. & Allegheny Ave., Philadelphia 34, Pa. (Refrigerated.)
Kiley Co., James A., 15 Linwood St., Somerville, Mass. (Public utility.)
Kingham Trailer Co., 15th & Hill Sts., Louisville 10, Ky. "Kingham-Universal."
Kirk & Blum Mfg. Co., 3119 Forrer St., Cincinnati, Ohio. "K & B." (Stake.)
Knapheide Mfg. Co., 440 S. 6th St., Quincy, Ill. (Grain, livestock and stake.)
Koch & Son Mfg. Co., 200 Wilson Ave., N. E., St. Cloud, Minn.
Koerner Sons, Inc., John, 94 Walton St., Brooklyn 6, N. Y.
Lacey & Sons Co., W. F., 50 Mystic Ave., Medford 55, Mass.
Lang Co., 267 W. First South St., Salt Lake City 10, Utah.
Lewisohn Sales Co., Inc., 4001-15 Dell Ave., North Bergen, N. J., "Lewgust."
Long Trailer Service, Goldsmith & McKoy Sts., Greenville, S. C.
Love Wagon Co., Durant, Miss.
Mayer Body Corp., Paulson & Auburn Sts., Pittsburgh 6, Pa.
McAvoy & Son, Inc., Peter, 30 Garden St., New Rochelle, N. Y.
McCabe-Powers Auto Body Co., 5900 N. Broadway, St. Louis 15, Mo. "Service Master" (Service truck); "Powers," "Power-American." (Public utility.)
Meeks Son, S. J., 622 G St., N. W., Washington 1, D. C.
Mellinger Lumber, Inc., 16 Madison St., Leetonia, Ohio.
Metal Auto Parts Co., Chase & Henry Sts., Indianapolis 7, Ind.
Meteor Motor Car Co., 125 Clark Ave., Piqua, Ohio. (Specialized.)
Meyer Body Co., 218 Elm St., Buffalo 3, N. Y. (Refrigerated.)
Mickey Body Co., W. F., 105 Perry St., High Point, N. C.
Mid-State Body Co., Waterloo, N. Y.
Midwest Body & Mfg. Div. Electrographic Corp., S. Central St., Paris, Ill. (Stake, farm and van.)
Midwest Works, Inc., W. on Highway 54, Augusta, Kans. "Augusta."
Miller & Co., A. C., 17 Courtland St., N. E., Atlanta, Ga.
Miller Trailers, Inc., 708 Third St., W., Bradenton, Fla. (Refrigerated, insulated, freight, van and stakes.)
Millington Truck Body Co., 8440 N. State St., Millington, Mich. (Insulated, milk, produce, meat, bakery and beer.)
Modern Auto Body Builders Co., 252 Johnson Ave., Brooklyn 6, N. Y. (Armored and refrigerated.)
Moline Body Co., 222 52nd St., Moline, Ill.
Montgomery Co., E. R., 2500 St. Louis St., New Orleans 19, La.
Montpelier Mfg. Co., Montpelier, Ohio. "Montpelier." (Parcel delivery and frequent stop.)
Morrison Steel Products, Inc., 601 Amherst St., Buffalo 7, N. Y. (Utility and service.) "Carry-All."
Morse Body Mfg. Co., 69 Howard St., Watertown 72, Mass.
Morysville Body Works, 813 S. Reading Ave., Boyertown, Pa. (Utility bodies.)
Murphy Body Works, Inc., Herring Ave., Wilson, N. C. (Also refrigerator.)

SHULER *One-Piece* DESIGN means LESS WEIGHT ··· MORE STRENGTH!

Even including their permanent (malleable-iron) brake shoes, Shuler Tubular Axles weigh less!

THERE is only one way in the world to manufacture tubular axles for *maximum strength and minimum weight* — and that's to use one-piece design, with the ends forged down like this:



Any *other* design requires welded joints, plus heavy amounts of unnecessary metal that add no strength.

Because of the weight saved by one-piece design, Shuler can use *permanent, dependable, malleable-iron brake shoes* instead of pressed-steel shoes — and still not exceed the over-all weight of competitive assemblies.

Use the coupon to get all the facts. You'll discover why more and more automotive-equipment manufacturers are specifying Shuler One-Piece Tubular Axles.

NEW MODELS INCLUDE:

1. New light-weight but permanent malleable brake shoes and spiders.
2. Roller shafts are fitted into the shoes with precision-machining to insure full bearing, and are then locked in place. *They can't fall out.*
3. Positive locking "roll pins" in the anchor pins.
4. Parkerized and hardened cam rollers for rust-proofing and long service.
5. Nylon inner and outer cam-shaft bushings.
6. Self-aligning "ball and socket" aluminum cam-shaft housing.

NEW HEAVY-DUTY U-TYPE BRAKE DESIGNED ESPECIALLY FOR THE WEST COAST. Has longer anchor pins with double bearing surface, and larger-diameter cam rollers, to insure longer life under unusually severe service.

These thicker, better, REPLACEABLE linings can NEVER PULL OFF

One inspection will show you why Shuler brake linings *never pull off* — they're *bolted*, and how! Other advantages:

1. Uniform brake-lining wear is insured by precision-machining of the brake-shoe contours.
2. Brake linings are full ¾" thick, all around — not just at the center.
3. The malleable brake shoes are permanent. They do not distort as the linings wear down. When linings wear out, you just bolt on new linings.
4. Additional lining area is provided by covering the entire length of the brake shoe, and by plugging all 32 bolt holes with friction material, at the factory. Easy to do on replacements, too.

SHULER AXLE COMPANY, Incorporated, LOUISVILLE, KENTUCKY
SUBSIDIARY OF FULLER MANUFACTURING COMPANY
SALES OFFICES in DETROIT, CHICAGO, OAKLAND and FORT WORTH
WEST COAST WAREHOUSE Oakland, California
SOUTHWEST WAREHOUSE Fort Worth, Texas

2960 Second Street, Louisville, Kentucky
Shuler Axle Company
Gentlemen:
Without obligation, please send me your brochure on Shule One-Piece Trailer Axles.

Name_____
Firm_____
Address_____

BODIES, Commercial—*continued*

Nabors Co., W. C., Mansfield, La.
National Truck Equipment Co., 1611 Crystal Ave., Kansas City 3, Mo. (Power line and contractors.)
New Haven Carriage & Auto Works, 508 N. W. Everett St., Portland 9, Ore.
Niederhut Carriage Co., 3560 Walnut St., Denver 5, Colo.
Nogues Body Co., 1332 S. Ogden Drive, Los Angeles 19, Calif.
Novelty Carriage Works, Inc., 815 Second Ave., Spokane 4, Wash.
Ohio Body Mfg. Co., New London, Ohio.
Olsen & Son, R. P., 920 N. 24th St., Omaha, Neb. (Refrigerated and insulated.)
Olson Corp., J. B. E., 1740 Broadway, New York 19, N. Y. "Kurb-Side." (Package delivery for Ford, Chevrolet and GMC chassis; "Kargo-King" van.)
Olson & Son, Inc., Chas., 2945 Pillsbury Ave., Minneapolis, Minn.
Omaha Standard, 2401 W. Broadway, Council Bluffs, Iowa.
Oneida Products Corp., Canastota, N. Y.
Orrville Bdy Co., Orrville, Ohio.
Parsons Engineering Corp., 4590 Beidler Rd., Willoughby, Ohio. (Public service.)
Penn Body Div., Hockensmith Corp., 1946 Penn St., Penn, Pa.
Perfection Steel Body Co., S. East St., Galion, Ohio.
Pirsch & Sons Co., Peter, 1308 35th St., Kenosha, Wis. (Fire engine.)
Press' Sons, Inc., Jacob, 501 W. 33rd St., Chicago 16, Ill.
Progress Mfg. Co., Oil Equipment Div., Arthur, Ill. (Fire truck.)
Providence Body Co., 750 Wellington Ave., Cranston, R. I. (Also van.)
R. B. Co., Quinotte & Euclid Sts., Kansas City 1, Mo. (Roll-off.)
Rehberger & Son, Inc., Arthur, 316 Ferry St., Newark 5, N. J. "Rehberger unloaders." (For cement block and brick industry.)
Reliance Trailer & Truck Co., 2765 16th St., San Francisco 3, Cal.
Roadway Mounting & Equip. Co., 21177 Mound Rd. (P. O. Box 164), Van Dyke, Mich. (Also Utility and stake.)
Robbins & Burke, Inc., 29 Lansdowne St., Cambridge 39, Mass. (Refrigerated and insulated.)
Rock Hill Body Co., W. Main St., Rock Hill, S. C.
Roehlk Spring & Body Co., 417 S. 15th St., St. Louis 3, Mo.
Scammell & Sons, 116 Quincy Ave., Quincy 69, Mass.
Schayer & Badinger, Inc., 2841 Tchoupetoulos St., New Orleans 15, La. (Bottlers', deck and closed panel.)
Schmitt & Son, Inc., John V., 314 14th St., S.E., Washington 3, D. C.
Schnabel Co., S., 10 & Muriel Sts., Pittsburgh 3, Pa. (Refrigerator.)
Servall Truck Body Mfg. Co., 4838 Cermak Rd., Cicero, Ill.
Sharpsville Steel Fabricators, Inc., Sharpsville, Pa. (Fire apparatus, rescue, emergency and squad trucks.)
Sherman & Co., Earl, 2526 Wood St., Oakland 7, Cal. "Esco." (Bakery & refrigerated.)
Silver Body Works, Inc., 78 Ingraham St., Brooklyn 6, N. Y.
Soffe & Son, Morris, 170 W. Berks St., Philadelphia 22, Pa.
Spangler Engineering & Sales Co., D. H., 426 S. Third St., Hamburg, Pa.
Specialty Engineering Co., Torresdale Ave. & Pennypack St., Phila. 36, Pa. (Bottlers'.)
Springfield Body & Trailer Co., 1631 College St., Springfield, Mo.
Stahl Metal Products, Inc., 3490 W. 140th St., Cleveland 11, Ohio. "Craftsman." (Also utility.)
Standard Auto Body Co., 4900 S. Soto St., Los Angeles 58, Calif.
Steel Products Co., P. O. Box 1007, Savannah, Ga. (Aluminum.)
Steffen Body Co., O. F., 613 W. Seventh St., Sioux City 17, Iowa.
Servall Truck Body Mfg. Co., 4838 Cermak Rd., Cicero, Ill.
Stewart & Stevenson Services, Inc., 4516 Harrisburg Blvd., Houston, Tex.
Stewart Steel Products, Inc., 1785 E. New York Ave., Brooklyn 7, N. Y. (Regrigerated, transportation, van, custom built, platform and stake.)
Stoughton Cab & Body Co., 408 E. South St., Stoughton, Wis. (Van, stake and refrigerated.)
Strick Co., Whitaker Ave. & Godfrey St., Philadelphia 24, Pa.
Superior Auto, Inc., 24 Sprague St., Dayton 7, Ohio.
Swab Wagon Co., 21 S. Callowhill St., Elizabeth, Pa.
Swift All-Steel Body Co., 106 Hoyt St., Saginow 29, Mich.
Theurer Wagon Works, Inc., 601 W. 56th St., New York 19, N. Y.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Wash.
Thompson Trailer Corp., Pikesville, Md. (Aluminum public utility, package delivery and flat bed.)
Thornton Mfg. Co., 10th & Montgomery Ave., Phila., Pa.
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Time Saver Body Co., 3035 E. Grand Blvd., Detroit 2, Mich.
Traffic Body Co., 5301 N. 2nd St., St. Louis, Mo. (Stake and panel.)
Trailco Mfg. & Sales Co., Mill St., Hummels Wharf, Pa.
Travelodge Corp., 65 N. Madison St., Tulsa, Okla. (Steel and aluminum.)
Triangle Body Works, 2012 Waughton Rd., Winston-Salem 6, N. C. (Stake and van.)
Truck & Trailer Industries, Inc., 611 Jackson Ave., New York 55, N. Y.
Truck Engrg. Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat." (Utility.)
Truck Engineering Corp., 1285 W. 70th St., Cleveland 2, Ohio. "TEC."
Truck Welding & Equipment Co., 739 Ninth Ave., N., Seattle 9, Wash. (Steel flat deck.)
Union City Body Co., W. Pearl St., Union City, Ind. (Parcel delivery for GMC and Chevrolet.)
Utility Body Co., 1530 Wood St., Oakland 7, Calif.
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Veenema & Wiegers, Inc., 241 N. Tenth St., Paterson 2, N. J.
Wade & Dunton, Inc., 686 Main St., Lewiston, Maine. (Custom built.)
Walsh Body Sales Corp., 92-96 Prospect St., Somerville 43, Mass.
Ward Motor Vehicle Co., 718 S. Fulton Ave., Mt. Vernon, N. Y. (Aluminum.)
Weber Trailer & Mfg. Co., 8400 E. Slauson Ave., Rivera, Calif. (Mailing address, P. O. Box 2473, Los Angeles 54, Calif.)
Weir Body Co., 4504 Cuming St., Omaha 3, Neb.
Welch Mfg. Co., 533 W. Jefferson St., Phoenix, Ariz.
Weld-Built Body Co., 5903 Preston Court, Brooklyn 34, N. Y. (Wreckers.)
Wentworth & Irwin Inc., 123 N. E. Oregon St., Portland 14, Ore.
White Metal Rolling & Stamping Corp., Whitelight Magnesium Div., 376 Lafayette St., New York 3, N. Y.
Williamsen Body & Equipment Co., Ninth & Wall Sts., Ogden, Utah. "Wabco."
Wilson Trailer Co., 2400 Leech Ave., Sioux City 6, Iowa. (Grain, livestock, van & refrigerated.)
Winter-Weiss Co., 2001 Blake St., Denver 5, Colo.
Wright Co., Thomas, 185 Dey St., Jersey City 6, N. J.
Yancey Bros., 110 Jackson St., N. E., Atlanta, Ga.
York-Hoover Corp., Body Div., Belvidere & Linden Aves., York, Pa. (Also public utility.)

BODIES, Commercial, Prefabricated

Aluminum Body Corp., 1600 W. Washington Blvd., Montebello, Calif.
Black & Sons, Inc., Adam, 276 Tonnele Ave., Jersey City 6, N. J.
Brown Trailers, Inc., Box 873, Toledo, Ohio. (Aluminum.)
De Hart & Son, H. A., Crown Pt. Rd., Thorofare, N. J.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Giehner Iron Works, Inc., Fred S., 1214 24th St., N. W., Washington 7, D. C.
Gramm Trailer Corp., First Lima Bldg., Lima, Ohio.
Lindsay Structure, Inc., 5000 Dempster St., Skokie, Ill. (Truck and trailer.)
Mayer Body Corp., Paulson & Auburn Sts., Pittsburgh 6, Pa.
Morysville Body Works, 813 S. Reading Ave., Boyertown, Pa.
Parish Pressed Steel Co., Robeson & Weiser Sts., Reading, Pa. (Sections.)
Servall Truck Body Mfg. Co., 4838 Cermak Rd., Cicero, Ill.

BODIES, Dump

Aluminum Body Corp., 1600 W. Washington Blvd., Montebello, Calif.
Anthony Co., Streator, Ill.
Atlas Body Corp., 4150 E. Thompson St., Philadelphia 37, Pa.
Auto Truck Steel Body Co., 3028 Carroll Ave., Chicago 12, Ill.
Baughman Mfg. Co., Shipman Rd., Jerseyville, Ill. (Self-unloading.)
Black & Sons, Inc., Adam, 276 Tonnelle Ave., Jersey City 6, N. J.
Clark Co., B. M., Union, Maine.
Converto Mfg. Co., Cambridge City, Ind.
Cook Bros. Equip. Co., 3334 San Fernando Rd., Los Angeles 65, Calif.
Cresci, A., & Son, Boulevard & Grape Sts., Vineland, N. J.
Daybrook Hydraulic Div. L. A. Young Spring & Wire Corp., Bowling Green, Ohio.
Dempster Bros., Inc., Box 3127, Knoxville, Tenn. "Dempster Dumpster." (Detachable containers.)
Easton Car & Construction Co., Liberty & Holly Sts., Easton, Pa. (Heavy duty.)
Edward Trailer Co., Div. of Edward Iron Works, Inc., Center Line, Mich. (Mailing address 23500 Sherwood Rd., Detroit 34, Mich.) (Platform, stock and grain.)
Feigelson Co., Alex, 500 S. 4th St., Beaumont, Tex.
Galion Allsteel Body Co., 605 S. Market St., Galion, Ohio.
Gar Wood Industries, Inc., Wayne, Mich. "GW," "Load Packer." (Garbage and rubbish collection unit.)
Gate City Steel-Boise, 4000 Warm Springs Ave., Boise, Idaho.
General Body & Hoist Co., Paris & Garvey Sts., Everett 49, Mass. "Hi-Lift."
Giehner Iron Works, Inc., Fred S., 1214-24th St., N. W., Washington 7, D. C.
Heil Co., Dept. 6254, 3062 W. Montana St., Milwaukee 1, Wis.
Hercules-Campbell Body Co., Tarrytown, N. Y.
Hercules Steel Products Co., Box 477, Galion, Ohio.
Independent Iron Works, Eighth & Pine Sts., Oakland 20, Calif.
Jensen's Body Shop, Phillips, Wis.
Lang Co., 267 W. First South St., Sale Lake City 10, Utah.
Marion Metal Products Co., Cheney Ave., Marion, Ohio
Mayer Body Corp., Paulson & Auburn Sts., Pittsburgh 6, Pa.
Miller Trailers, Inc., 708 3rd St., P. Bradenton, Fla.
Montgomery Co., E. R., 2500 St. Louis St., New Orleans 19, La.
Morysville Body Works, 813 S. Reading Ave., Boyertown, Pa.
National Truck Equipment Co., 1611 Crystal Ave., Kansas City 3, Mo.
Palm Bros. Body Co., Eighth & Buttonwood Sts., Reading, Pa. "Hi-Lift." (Coal.)
Penn Body Div., Hockensmith Corp., 1946 Penn St., Penn, Pa.
Perfection Steel Body Co., S. East St., Galion, Ohio.
Press' Sons, Inc., Jacob, 501 W. 33rd St., Chicago 16, Ill.
Providence Body Co., 750 Wellington Ave., Cranston, R. I.
Rodenhausen's Excelsior Wagon Works, Ninth & Jefferson Sts., Philadelphia 22, Pa.
Roehlk Spring & Body Co., 417 S. 15th St., St. Louis 3, Mo.
Schnabel Co., S., 10 & Muriel Sts., Pittsburgh 3, Pa.
Sicard Industries, Inc., 753 W. Main St., Watertown, N. Y. "Sanivan." (Refuse collection.)
Standard Auto Body Co., 4900 S. Soto St., Los Angeles 58, Calif. (Hydraulic.)
Stewart & Stevenson Services, Inc., 4516 Harrisburg Blvd., Houston, Tex.
Superior Auto, Inc., 24 Sprague St., Dayton 7, Ohio.
Superior Metal Products, Inc., Branson & 18th Sts., Marion, Ind.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Wash.
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Truck Engineering Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat."
Truck Engineering Corp., 1285 W. 70th St., Cleveland 2, Ohio. "TEC."
Truck Equipment Co., 1791 Fillmore Ave., Buffalo 14, N. Y. "Teco."
Truck Welding & Equipment Co., 739 Ninth Ave., N., Seattle 9, Wash.

Bendix power

STEERING AND BRAKING

Makes Truck Operations Easier, Safer, More Economical

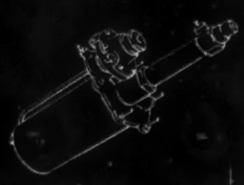
Today's most wanted power features for cars and trucks

Bendix* POWER steering

Here is an efficient, easy to install power steering unit that simplifies production line installation. Because Bendix Power Steering is of the linkage type, it may be adapted to any manufacturer's model without extensive engineering changes in present steering designs. Meet the increasing demand for power steering more efficiently and more economically with Bendix Power Steering.

Bendix HYDROVAC* POWER brake

With over four million in use, the Bendix Hydrovac is by all odds the world's most widely used power brake for commercial vehicles. This overwhelming preference for Hydrovac is a result of sound engineering design, exceptional performance, low original cost and minimum service upkeep. Make the industry's choice your choice, specify Hydrovac for all your commercial vehicles.



Bendix AIR-PAK* POWER brake

With one simple compact unit, Bendix Air-Pak combines all of the well-proven advantages of hydraulic brake actuation with an air brake system. An important advantage of Air-Pak is that brakes can be applied by foot power alone when braking is required before air pressure builds up or if it should fail for any reason. For faster, better controlled air-hydraulic power braking, specify Air-Pak.

Truck operators know from actual experience based on millions of installations that Hydrovac and Air-Pak are the undisputed leaders in their fields of power braking. And—more and more truck manufacturers and truck operators are discovering the outstanding efficiency and economy of Bendix Power Steering.

Yes—"Bendix Power," whether measured in terms of individual power devices or considered in terms of unmatched engineering and manufacturing facilities, makes truck operations easier, safer and more economical.

*REG. U.S. PAT. OFF.

Bendix Products Division

BENDIX PRODUCTS DIVISION SOUTH BEND INDIANA

Bendix AVIATION CORPORATION

Export Sales: Bendix International Div. 205 E. 42nd Street, New York 17, N. Y.

BODIES, Dump—*continued*

Veenema & Wiegers, Inc., 241 N. Tenth St., Paterson 2, N. J.
Welch Mfg. Co., 533 W. Jefferson St., Phoenix, Ariz.

BODIES, TANK, See Tanks, Trailer and Truck Body

BODY HOISTS, See Hoists, Truck Body

BODY PARTS, Pre-Shaped

(See also Hardware, Truck Body)

Anzick Auto Body Parts Co., 23675 Mound Rd., Van Dyke, Mich. "Fit-Rite."
Bath & Co., Cyril, Metal Form Div., E. 70th St. & Machinery Ave., Cleveland 3, Ohio.
Binkley Mfg. Co., Warrenton, Mo.
Boardman Co., 1401 S. W. 11th St., Oklahoma City, Okla.
Cook Metal Works, 337 S. Campbell Ave., Mishawaka, Ind. (Roof caps for cabs, buses, trucks and trailers.)
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Eberhard Mfg. Co., Div. Eastern Malleable Iron Co., 2734 Tennyson Rd., Cleveland 4, Ohio.
Edwards Co., Inc., O. M., Syracuse 4, N. Y. (Insulated window.)
Hart Metal Products Corp., 3306 Hammond St., Elkhart, Ind. (Corner posts, roof bows and caps, rut rails, etc.)
Hill Auto Body Metal Co., 700 W. 6th St., Cincinnati, Ohio.
Hutchins Mfg. Co., 9728 Breckenridge Ave., St. Louis 14, Mo. (Panels, etc.)
Indianapolis Power Hammer Works, 309 W. Maryland St., Indianapolis, Ind.
International Spare Parts Corp., 5-01 46th Rd., Long Island City 1, N. Y.
Kinnear Mfg. Co., 2100 Fields Ave., Columbus 16, Ohio.
Kirk & Blum Mfg. Co., 2858 Spring Grove Ave., Cincinnati 25, Ohio.
Lewishon Sales Co., Inc., 4001 Dell Ave., No. Bergen, N. J. "Lewgust."
Lindsay Structure, Inc., 5000 W. Dempster St., Skokie, Ill.
London Vault Co., London, Ohio. "All-Way." (Braces.)
Metalcraft Engr. Corp., 1051 W. Peachtree St., N. E., Atlanta 5, Ga.
Met-L-Wood Corp., 6755 W. 65th St., Chicago 38, Ill.
Midwest Body & Mfg. Div., Electrographic Corp., S. Central St., Paris, Ill.
Miner, W. H., Inc., Rookery Bldg., Chicago, Ill. (Door hinges.)
Monroe Mfg. Co., 2525 S. Dort Highway, Flint 7, Mich. (Platforms.)
Ill.
Parish Pressed Steel Corp., Robeson & Weizer Sts., Reading, Pa.
Randall Co., 5000 Spring Grove Ave., Cincinnati 32, Ohio. (Roof bows.)
Rex Metal Parts Co., 1295 W. 78th St., Cleveland 2, Ohio.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. (Fender braces and bolts.)
Youngstown Steel Car Corp., Niles, Ohio. (Dye-pressed channels, presswork.)

BONDERS, Brake Lining

Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Bonding Equipment Corp., 533 40th St., Union City, N. J.
Grigg Specialty Tools, 8103 Marbrisa Ave., Huntington Park, Calif. "Grigg Bondmaster."
Grizzly Mfg. Div. of Maremont Automotive Products, Inc., 700 W. Caroline St., Paulding, Ohio. "Saftibond."
Huppert Co., K. H., 6830 Cottage Grove Ave., Chicago 37, Ill.
Lapeer Mfg. Co., 3056 Davidson Rd., Lapeer, Mich. "Knu-Bonder."
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Permafuse Corp., 675 Main St., Westbury, N. Y.
Westbrook Industries, Inc., 140 Malvern St., Newark 5, N. J.

BOOSTERS, BRAKE, See Brakes, Vacuum Power

BOOSTERS, Spring, Pneumatic

Air Lift Co., 2328 W. Main St., Lansing, Mich.

BOOSTERS, STEERING, See Gears, Steering, Booster Units

BOOTHS, Paint Spraying

American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y. "Kellogg-American."
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Black Mfg. Co., 201 2nd St., Harrison, N. J.
Cincinnati Cleaning & Finishing Machinery Co., 317 Hecla St., Ironton, Ohio.
Detroit Sheet Metal Works, 4456 Cass Ave., Detroit 1, Mich.
De Vilbiss Co., 300 Phillips Ave., Toledo 1, O.
M & E Mfg. Co., 2571 Winthrop Ave., Indianapolis 5, Ind.
Macleod Co., Box 452, Sharonville, Ohio.
Mahon Co., R. C., 6565 E. Eight Mile Road, Detroit 34, Mich.
Newcomb-Detroit Co., 5741 Russell St., Detroit 11, Mich. "Roto-Wash."
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Peters-Dalton, Inc., 17924 Ryan Road, Detroit 12, Mich. "Hydro-Whirl."
Schmieg Industries, Inc., 29330 Sherwood St., Detroit 34, Mich.
Spray Engineering Co., 114 Central St., Somerville 45, Mass. "Spraco."
Young & Bertke Co., 2212 Breck St., Cincinnati 14, Ohio.

BORING BARS, See Tools, Cylinder Re-boring

BORING MACHINES, See Machines, Boring

BRAKE Drums, See Drums, Brake

BRAKE LEVERS, Emergency

Orschelin Brake Lever Mfg. Co., 335 N. Williams St., Moberly, Mo. (Emergency brake lever.)

BRAKE LINING, See Lining, Brake

BRAKE LINING GRINDERS, See Grinders, Brake Lining and Shoe

BRAKE LOCKS, See Locks, Brake, Hill Holding

BRAKE PARTS, See Parts, Brake

BRAKE RELINING MACHINES, See Machines, Brake Relining; also Ovens, Bonding.

BRAKE SHOES, See Shoes, Brake

BRAKES, Air

Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Lambert." (Disc.)
Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio. (Also accessory units for trucks and buses.)
Midland Steel Products Co. (Power Brake Div.), 2641 E. Milwaukee Ave., Detroit 11, Mich. "Midland-Christensen."
Timken-Detroit Brake Div., Rockwell Spring & Axle Co., Ashtabula, Ohio.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

BRAKES, Electric

Warner Brake & Clutch Co., P. O. Box 620, Beloit, Wis. (Truck.)

BRAKES, Hydraulic

Auto Specialties Mfg. Co., 557 Graves St., St. Joseph, Mich. "Lambert." (Disc.)
Bendix Products Div., Bendix Products Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Martin Co., Glenn L., Baltimore 3, Md.
Timken-Detroit Brake Div. Rockwell Spring & Axle Co., Ashtabula, Ohio.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. ["Wagner Lockheed" (Licensees); "Hi-Tork." (For commercial vehicles.)]

BRAKES, Mechanical

American Chain & Cable Co., Automotive & Aircraft Div., 601 Stephenson Bldg., Detroit 2, Mich. "Tru-Stop."
Auto Specialties Mfg. Co., 557 Graves St., St. Joseph, Mich. "Lambert." (Disc.)
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Keysey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
Warner Gear Div., Borg-Warner Corp., 1106 E. Seymour St., Muncie, Ind.

BRAKES, Trailer

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Bendix B-K." (Vacuum power.)
Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio.
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis.
Kay-Brunner Steel Products, Inc., 999 Meridan Ave., Alhambra, Calif. (Mechanical.)
Keysel-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. "Magdraulic." (Electric and vacuum power, house and utility.)
Midland Steel Products Co., Power Brake Div., 2641 E. Milwaukee Ave., Detroit 11, Mich. (Air and vacuum.)
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky. (Mechanical, vacuum or air.)
Spencer Safford Loadcraft, Inc., Augusta, Kan. "Loadcraft."
Standard Forge & Axle Co., Hunter Station, Montgomery 2, Ala. (Vacuum or air.)
Timken-Detroit Brake Div. Rockwell Spring & Axle Co., Ashtabula, Ohio. (Air and hydraulic.)
United Mfg. Co., 30 Interstate St., Bedford, Ohio. (Hydraulic.)
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. (Air.)
Warner Brake & Clutch Co., P. O. Box 620, Beloit, Wis. (Electric.)

BRAKES, Vacuum Power

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Bendix B-K," "Bendix Treadle-Vac," "Hydrovac."
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. "Vacdraulic." (Auto, truck and bus.)
Marvel-Schebler Products Div., Borg-Warner Corp., Decatur, Ill.
Midland Steel Products Co., Power Brake Div., 2641 E. Milwaukee Ave., Detroit 11, Mich. "Midland-Christensen."
Velvac, Inc., 3530 W. Pierce St., Milwaukee 4, Wis.

BREAKER ARMS, See Parts, Ignition

BREAKER POINTS, See Points, Ignition

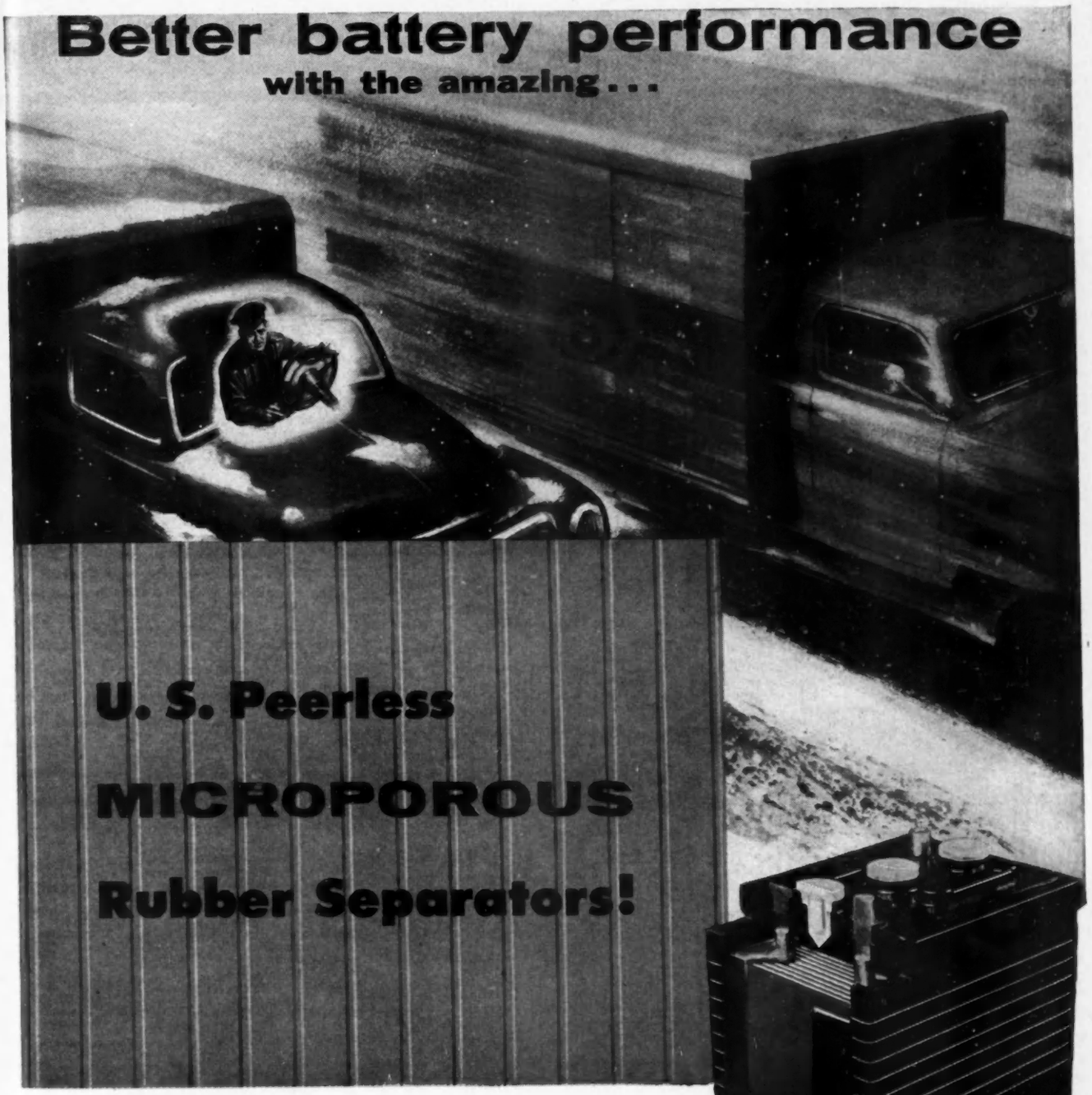
BREAKERS, Circuit

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Bulldog Electric Products Co., 7610 Jos Campau Ave., Detroit 32, Mich.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite."
F & B Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y.
Heinemann Electric Co., Pa. Ave. & Plum St., Trenton 2, N. J. "Magnette."
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio.
Littlefuse, Inc., 4757 Ravenswood Ave., Chicago 40, Ill.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Reynolds Mfg. Co., 1805 Alamo National Bldg., San Antonio 5, Tex. "Demco."
Rohden Mfg. Co., 4739 W. Montrose Ave., Chicago 41, Ill. "Short Stop."
Spencer Thermostat Div., Metals & Controls Corp., 34 Forest St., Attleboro, Mass. "Klixon."
Square D Co., 6060 Rivard St., Detroit 11, Mich.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh, Pa. "De-ion."

BRUSHES, Carbon Removing

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Herold Mfg. Co., 3927 Clark Ave., Cleveland 9, Ohio.

Better battery performance
with the amazing . . .

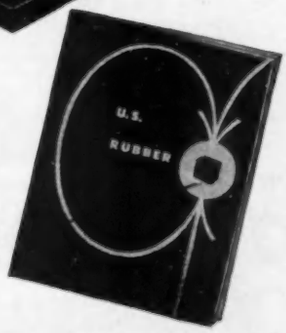


20% faster cranking speed, 10% more power—at zero temperatures.

Unharmed by battery acid, overcharging, heat or plate pressures. Will not get mushy or soft—will maintain their original toughness throughout battery life. Peerless separators actually *outlast* the plates.

Because U. S. Peerless® Rubber Battery Separators have a thin web and narrow ribs, they permit greater circulation of acid—allowing the battery to run cooler, and assuring full power under all conditions. There are 2 big reasons why you should insist on batteries equipped with U. S. Peerless—you get a battery that delivers better performance—and you save in costs, day after day, month after month.

Write to address below for free copy of informative booklet on the high-performance, low-upkeep U. S. Peerless Rubber Battery Separators.



UNITED STATES RUBBER COMPANY

Electrical Wire and Cable Department • Rockefeller Center, New York 20, N. Y.

BRUSHES, Carbon Removing—cont'd

Keystone Reamer & Tool Co., Millersburg, Pa.
Manufacturers Brush Co., 12501 Elmwood Ave., Cleveland, Ohio.
Miller Co., L. B., 394 State St., Stamford, Conn.
Millers Falls Co., Greenfield, Mass.
Milwaukee Brush Mfg. Co., 2326 N. 30th St., Milwaukee 45, Wis.
Morris Co., C. W., 10628 Cloversdale Ave., Detroit 4, Mich.
New Britain Machine Co., Hand Tools Div., South St., New Britain, Conn.
Osborn Mfg. Co., 5401 Hamilton Ave., N. E., Cleveland 14, Ohio.
Pittsburgh Plate Glass Co. (Brush Div.), 3221 Frederick Ave., Baltimore 29, Md. "Perfect Balance."
Rinck-McIlwaine, Inc., 16 Hudson St., New York, N. Y. "Rimac."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue point."
Thor Power Tool Co., 175 State St., Aurora, Ill.
Wilde Drop Forge & Tool Co., 2938 Fairmount Ave., Kansas City, Mo.
Worcester Brush & Scraper Co., 38 Austin St., Worcester, Mass.

BRUSHES, Fountain, See Washers, Fountain Brushes & Mops

BRUSHES, Generator, Horn and Starter

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Becker Brothers' Carbon Co., 3450 S. 52nd Ave., Cicero 50, Ill. "B.B.B." (Generator and starter.)
Carbone Co., Myrtle Ave., Boonton, N. J.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn. (Generator and starter.)
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Generator and starter.)
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Keystone Carbon Co., 1935 State St., St. Marys, Pa.
Machine Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco." (Generator and starter.)
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Ohio Carbon Co., 12508 Berea Rd., Cleveland 11, Ohio.
P. & D. Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y. (Generator and starter.)
Paragon Products Corp., 140 Astor St., Newark 5, N. J. "Vulcan," (Generator and starter; sole distributors, Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill. (Starter and generator.)
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y. (Generator and starter.)
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., Tannery St., St. Marys, Pa.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak," "Standard." (Generator and starter.)
Tasco Products, Inc., 199 Vermont St., Brooklyn 7, N. Y. (Generator and starter.)
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. (Generator and starter.)

BRUSHES, WASHING, See Washers, Fountain Brushes and Mops.

BUFFERS, Portable, Electric

Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo.
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Admiral," "Metalmaster."
Buckeye Tools Corp., 28 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tools Co., 6 E. 44th St., New York 17, N. Y. "CP." (Pneumatic.)
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Rotor Tool Co., 23600 Lakeland Blvd., Cleveland 23, Ohio.
Thor Power Tool Co., 175 State St., Aurora, Ill.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

BUFFERS, Tire, Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif. "Brown."
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa. "Blue Streak."
Kehawke Mfg. Co., 718 S. Elliot St., Muncie, Ind. "Tru-Arc."
Reuland Electric Co., 3001 W. Mission Rd., Alhambra, Calif.
Super Mold Corp. of Calif., 420 N. Sacramento St., Lodi 2, Calif.
U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 54, Calif. "AutoStart."

BULBS, See Lamps, Bulbs, Miniature, Incandescent

BUMPERS

Bath Co., Cyril, Metal Form Div., 32280 Aurora Rd., Solon, Ohio.
Central Motors Co., 906 Austin Ave., Waco, Tex. "General Purpose." (Rear, for Dodge trucks.)
Electric Auto-Lite Co., Sharonville, Ohio.
Graves Mfg. Co., 200 Court St., Clinton, Ohio. (Bumper hitch.)
Houdaille-Hershey Corp., Chicago Dive., 1455 W. 38th St., Chicago 9, Ill.
Houdaille-Hershey Corp., Detroit Div., 2660 E. Grand Blvd., Detroit 11, Mich.
Houdaille-Hershey Corp., Huntington Div., 900 Ninth Ave., W., Huntington, W. Va.
Hutchinson Co., 5931 St. Vincents Ave., Shreveport, La. "Redi-Fit." (Rear, for light trucks.)
Michigan Bumper Corp., 740 Ann St., Grand Rapids, Mich.
Nash Bros. Co., 2125 Dewey Ave., Evanston, Ill "Body-Gard." (Steel for trucks and buses.)
Parish Pressed Steel Co., Robeson & Weiser Sts., Reading. Pa.
Rockwell Spring & Axle Co., Cornopolis, Pa.
United States Spring & Bumper Co., 4951 Alcoa Ave., Los Angeles 58, Calif.

BUSES

Available Truck Co., 2501 Elston Ave., Chicago, Ill. (Gasoline or Diesel.)
Beaver Metropolitan Coaches, Inc., 24th St. Ext., Beaver Falls, Pa.
Beck & Co., C. D., Sidney, Ohio.
Biederman Motors Corp., 2131 Spring Grove Ave., Cincinnati 14, Ohio.
Blue Bird Body Co., Fort Valley, Ga.
Chevrolet Motor Div. of General Motors Corp., General Motors Corp., Detroit 2, Mich.
Crown Body Coach Corp., 2500 E. 12 St., Los Angeles 21, Calif. (Gasoline and Diesel.)
Dodge Div. Chrysler Corp., 7900 Joseph Campau Ave., Detroit 31, Mich. (School.)
Federal Motor Truck Div. Federal Fawick Corp., 5780 Federal Ave., Detroit 9, Mich.
Fitzjohn Coach Co., Muskegon, Mich.
Flxible Co., 326 N. Water St., Loudonville, Ohio.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich. "Yellow Coach."
Intercontinental Mfg. Co., Box 578, Garland, Tex. (School and passenger.)
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill. (School.)
Kenworth Motor Truck Corp., 8801 E. Marginal Way, Seattle 8, Wash.
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y. (Gasoline and Diesel.)
Marmon-Herrington Co., Inc., 1511 W. Washington St., Indianapolis 7, Ind. (Trolley coaches.)
Oneida Products Corp., Canastota, N. Y.
Reo Motors, Inc., 1331 S. Washington St., Lansing, Mich. (Gasoline and diesel.)
St. Louis Car Co., 8000 N. Broadway, St. Louis 15, Mo. (Electric, also trolley coaches.)
Southern Coach Mfg. Co., Evergreen, Ala.
Studebaker Corp., 635 S. Main St., South Bend 27, Ind. (Chassis only.)
Superior Coach Corp., E. Kibby St. & D. T. & I. R. R., Lima, Ohio. (School & passenger.)
Transit Bus Div. Checker Cab Mfg. Corp., 2016 N. Pitcher St., Kalamazoo, Mich.
Twin Coach Co., 850 W. Main St., Kent, Ohio. (Propane, gasoline, Diesel and LP Gas buses, also electric trolley buses.)
Wayne Works, Inc., 1500 N. F St., Richmond, Ind.
White Motor Co., 1455 E. 185th St., Cleveland 10, Ohio.

BUSHINGS, See Bearings and Bushings

CABINETS, Accessories and Parts

Angle Steel Stool Co., 56 Oak St., Plainwell, Mich.
Aurora Equipment Co., Prairie St. at Cleveland Ave., Aurora, Ill. "Equipto."
Bay Products, Inc., 3001 N. 16th St., Philadelphia 2, Pa.
Berger Mfg. Div. Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Franklin Co., Bernard, Hedley & Bath Sts., Philadelphia 37, Pa.
Frick-Gallagher Mfg. Co., 200 W. Second St., Wellston, Ohio. "FGM."
Gilbert & Barker Mfg. Co., Springfield, Mass. "Calco-Meter," "Gilbarco."
Heller & Co., W. C., 1907 Wabash Ave., Montpelier, Ohio.
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.

CABLE, Brake Control, with Conduit

Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built." (Emergency.)
American Chain & Cable Co., Automotive & Aircraft Div., 601 Stephenson Bldg., Detroit 2, Mich. "Tru-Lay." (Using "Tru-Loc" fittings.)
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Eis Automotive Corp., Middletown, Conn.
Gwilliam Co., 360 Furman St., Brooklyn 2, N. Y. "Rowden."
Midland Steel Products Co., Power Brake Div., 2641 E. Milwaukee Ave., Detroit 11, Mich.
Supco Div., Lisle Corp., 805 E. Main St., Clarinda, Iowa.

CABLE, Ignition, Starting and Lighting

(In bulk, length on spools, rolls, etc.)

American Electric Cable Co., 181 Appleton St., Holyoke, Mass. "Lusterlac."
Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
Berg Mfg. & Sales Co., 1712 S. Michigan Ave., Chicago 16, Ill. (Lighting for trailers.)
Champion Cable Co., 1805 E. 40 St., Cleveland 3, Ohio.
Crescent Co., Pawtucket, R. I. "Wiry Joe."
Electric Auto-Lite Co., Wire & Cable Div., 3529 24th St., Port Huron, Mich. "Auto-Lite."
Electric Auto-Lite Co., Wire & Cable Div., Hazleton, Pa.
Essex Wire Corp., 1601 Wall St., Fort Wayne, Ind. "SX."
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Cable Corp., 420 Lexington Ave., New York 17, N. Y.
Jordan Electrical Mfg. Co., 222 N. 2 St., Minneapolis 1, Minn.
Lenhart Mfg. Co., Hamburg, Pa.
Monarch Insulated Wire Co., 178 Central Ave., Hackensack, N. J.

NATIONAL ASSOCIATIONS

(Date in Parentheses Indicates Year Founded)

AMERICAN ASSN. OF STATE HIGHWAY OFFICIALS (1914), 917 National Press Bldg., Washington 4, D. C., H. H. Hale, Executive Sec.

AMERICAN AUTOMOBILE ASSN. (1902), AAA Building, 1712 G St., N.W., Washington 6, D. C., Russell E. Singer, Executive V. P.

AMERICAN PETROLEUM INSTITUTE (1919), 50 West 50th St., New York 20, N. Y., Frank M. Porter, President; James E. Moss, Director Division of Transportation, 1625 K St., N.W., Washington 6, D. C.

AMERICAN ROAD BUILDERS' ASSN. (1902), World Center Bldg., Washington 6, D. C., Eugene Reybold, Exec. V. P. and Sec.

AMERICAN SOCIETY OF BODY ENGINEERS, Inc. (1945), 100 Farnsworth Ave., Detroit 2, Mich., Elmer A. Wilkie, Sec.

AMERICAN SOCIETY OF REFRIGERATING ENGINEERS (1904), 234 Fifth Ave., New York 1, N. Y., M. C. Turpin, Exec. Sec.

AMERICAN TAXICAB ASSN. (1942), 4415 N. California Ave., Chicago 25, Ill., M. H. Smith, Exec. Sec.

AMERICAN TRANSIT ASSN. (1882), 292 Madison Ave., New York 17, N. Y.

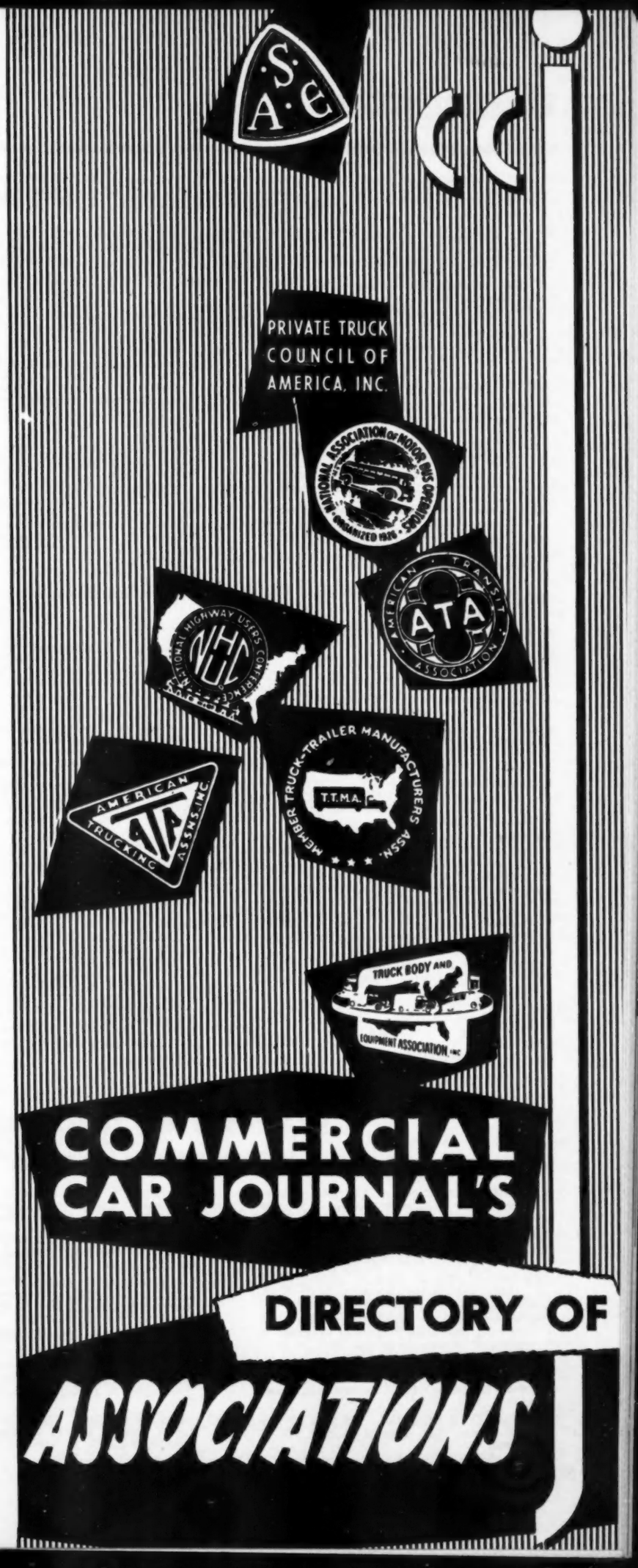
STAFF EXECUTIVES:
Executive V. P.—George W. Anderson.
Gen'l Sec.—Arthur W. Baker.
Administrative Asst.—Van Court Lucas.
Asst. to Exec. V. P. & Gen. Sec.—Kenneth L. McKee.
Dept. of Personnel & Accident Prevention —Merwyn A. Kraft, Dir.
Dept. of Research—Walter S. Rainville, Jr., Dir.
Public Information—Allen Wagner, Dir.
Managing Editor, Passenger Transport—William U. Taylor.
Statistical Dept.—E. B. McCaul, Dir.
Librarian—Miss Julia Kelly.

AMERICAN TRUCKING ASSNS., INC. (1933), 1424 Sixteenth St., N.W., Washington 6, D. C.

STAFF EXECUTIVES:
Managing Director—John V. Lawrence.
General Manager—Ray G. Atherton.
Dir. Public Relations & Asst. to Pres.—Walter W. Belson.
Asst. Gen. Mgr. & Dir. Interstate Cooper'n. W. A. Bresnahan.
Asst. to Gen Mgr.—H. Scott Byerly.
General Counsel—Col. James F. Pinkney.
Comptroller—George H. Minnick.
Dir. Dept. of Research—E. V. Kiley.
Dir. Traffic Dept.—Frederick G. Freund.
Dir. Dept. of Safety—G. D. Sontheimer.
Dir. Dept. of Industrial Relations—Benjamin R. Miller.
Dir. Law Dept.—Peter T. Beardsley.
Dir. Field Service Dept.—Harry B. Bridgman.
Highway Engr.—H. A. Flanakin.
Editor, Transport Topics — Morris H. Glazer.

ATA SECTIONS:
Equipment & Operations Section — Lewis C. Kibbee, Chief.
Freight Claim Section—John M. Miller, Sec.
Special Services Section—E. M. Wellfver, Chief.
Government Traffic Section — W. J. McCloskey, Chief.
Publications Mgr.—E. H. Spencer.
Publicity Mgr.—Glen M. Hearin.
Projects Promotion—J. P. McGill.

ATA CONFERENCES:
Regular Common Carrier Conference — Robert J. McBride, Gen. Mgr.
Irregular Route Conference—Thomas F. Robertson, Man. Dir.
Local Cartage National Conference—Frank H. Floyd, Genl. Mgr.
Movers Conference of America—James F. Rowan, Genl. Mgr.
National Tank Truck Carriers, Inc.—C. Austin Sutherland, Managing Director.
Contract Carriers Conference—Mrs. V. H. Kennedy, Exec. Sec.
Automobile Transporters Conference — R. E. Beiser, Sec. (Detroit, Mich.).
Film Carriers Conference — Harry B. Bridgman.
Oilfield Haulers Conference—Tilden Childs, Sec. (Austin, Texas.)



NATIONAL ASSOCIATIONS—*continued*

Private Carriers Conference—Vincent L. O'Donnell. Exec. Sec.
Munitions Carriers Conference — William J. Burns, Man. Dir.
(See also listings under State Truck Associations)

AUTOMOBILE MANUFACTURERS ASSN. (1913), 320 New Center Bldg., Detroit 2, Mich.
STAFF EXECUTIVES:
Managing Dir.—Wm. J. Cronin.
Motor Truck Div., Motor Coach Div., and Field Services Dept.—Karl M. Richards, Mgr.
Transportation Research Dept.—John J. Cummings, Dir.
Public Relations Dept.—Harry A. Williams, Dir.
Statistical Dept.—O. P. Pearson, Mgr.
Patent Dept.—Wm. L. Scherer, Mgr.
Traffic Dept.—Carman E. Brown, Mgr.
Engineering & Technical Dept.—Wm. F. Sherman, Mgr.
Washington Office — 830 Transportation Bldg., Harlan V. Hadley, Mgr.; John H. King, Motor Truck Division representative.
New York Office—366 Madison Ave., Alfred Reeves, Advisory V. P.

AUTOMOTIVE ELECTRIC ASSN., 16223 Meyers, Detroit 35, Mich., S. W. Potter, Exec. Sec.

AUTOMOTIVE ENGINE REBUILDERS ASSN., 419 N. Capitol Ave., Indianapolis 4, Ind., R. G. Patterson, Exec. V. P.

AUTOMOTIVE SAFETY FOUNDATION (1937), 200 Ring Bldg., 1200 18th St., N.W., Washington 6, D. C., J. O. Mattson, Pres.; Pyke Johnson, Consultant.

HIGHWAY RESEARCH BOARD OF NATIONAL RESEARCH COUNCIL (1920), 2101 Constitution Ave., Washington 25, D. C.; Fred Burggraf, Dir.

INDEPENDENT ADVISORY COMMITTEE TO THE TRUCKING INDUSTRY, INC., 1740 Broadway, New York 19, N. Y., J. Clarke Mattimore, Man. Dir.

NATIONAL ASSN. OF MOTOR BUS OPERATORS (1926), 839 17th St., N.W., Washington 6, D. C.
STAFF EXECUTIVES:
Arthur M. Hill, Pres.
Secretary-Manager—A. W. Koehler.
Asst. to Sec.-Mgr.—W. R Longanecker.
General Counsel—Jack Garrett Scott.
Dir. of Div. of Research & Statistics—Harold R. Hosen.

NATIONAL ASSN. OF TAXICAB OWNERS (1918), 803 Leader Bldg., Cleveland 14, Ohio, H. I. Gwilym, Sec.

NATIONAL AUTOMOBILE DEALERS ASSN. (1917), 1026 17th St., N.W., Washington 6, D. C., Dr. Rowland F. Kirks, Leg. Counsel.

NATIONAL AUTOMOBILE TRANSPORTERS ASSN. (1944), 2627 Cadillac Tower, Detroit 26, Mich., R. E. Beiser, Gen. Mgr.

NATIONAL BUS TRAFFIC ASSN., INC. (1933), 506 S. Wabash Ave., Chicago 5, Ill.
P. J. Campbell, Chairman.
North Central Division—509 6th Ave. N., Minneapolis 5, Minn., W. A. Allen, Chairman.
South Central Division—210 E. 9th St., Fort Worth 2, Texas, J. S. Judd, Chairman.
Western Division—Pine and Battery Sts., San Francisco, Cal., Glen G. Magnuson, Chairman.

NATIONAL HIGHWAY USERS CONFERENCE, INC. (1932), National Press Bldg., Washington 4, D. C.
STAFF EXECUTIVES:
Director—Arthur C. Butler.
Asst. Director—P. D. McLean.
Research Counsel—Yule Fisher.
Engineering Counsel—Roy E. Jorgensen.
Mgr. State Services Dept.—Russell E. MacCleery.
Mgr. Legislative Reporting Dept.—Myles English.
Mgr. Public Information Dept.—John E. Moore.
Mgr. Special Services Dept.—Harold Gray.
Safety Coordinator—William J. Simon.
REGIONAL REPRESENTATIVES:
(Note: For exact locations, address through National headquarters in Washington.)
John E. Boyd, Jr., Denver, Colorado (Colo., Nev., Utah, Wyo.)
G. H. Buenger, Austin, Texas (Ariz., La., N. Mex., Texas.)
Cecil Fausch, Chicago, Illinois (Ill., Ind., Mich., Ohio, Wisc., and supervision midwestern states.)
G. Lyle Griffin, Oklahoma City, Oklahoma (Ark., Kans., Mo., Okla.)
Lloyd C. Hanson, Minneapolis, Minnesota (Iowa, Minn., Nebr., N. Dak., S. Dak.)
David L. Kelly, Winston-Salem, North Carolina (Fla., Ga., N. Car., S. Car., Va.)
Michael Le Pere, E. Lansing, Mich. (Ill., Ind., Mich., Ohio, Wisc.)
David F. McQuaid, Nashua, New Hampshire (New York and supervision New England states.)
Richard Mele, Albany, New York (Conn., Me., Mass., N. Hamp., N. Y., R. I., Vt.)
James I. Ritchie, Nashville, Tennessee (Ala., Ky., Miss., Tenn.)
Herbert B. Simpson, San Francisco, California (Calif. and supervision 11 western states.)
Temporarily vacant: Idaho, Montana, Oregon, Washington; and Delaware, Maryland, New Jersey, Pennsylvania, West Virginia.
(See also Listing under State Highway Users Conferences, Page 90.)

NATIONAL SAFETY COUNCIL (1913), 425 N. Michigan Ave., Chicago 11, Ill.
STAFF EXECUTIVES:
Ned H. Dearborn, President.
J. L. Forney, Genl. Secy.
Paul H. Coburn, Dir. Motor Transportation Div.
Eastern Region Office—Edwin S. Smith, Dir., 800 Chrysler Bldg., New York 17, N. Y.
Western Region Office—Earl F. Campbell, Dir., 950 California St., San Francisco 8, Calif.

NATIONAL TRUCK LEASING SYSTEM (1945), 23 E. Jackson Blvd., Chicago 4, Ill., Miss Martha Dunlap, Sec-Mgr.

NATIONAL WHEEL AND RIM ASSN. (1924), 268 W. St. Clair Ave., Cleveland 13, Ohio.

PRIVATE TRUCK COUNCIL OF AMERICA, INC. (1939) (Formerly National Council of Private Motor Truck Owners, Inc.), Sheraton Bldg., Washington 5, D. C., James D. Mann, Man. Dir.

SOCIETY OF AUTOMOTIVE ENGINEERS, INC. (1905), 29 W. 39th St., New York 18, N. Y.
STAFF EXECUTIVES:
Sec. & Gen. Mgr.—John A. C. Warner.
Meetings Div.—T. A. Bissell, Mgr.
Technical Committee Div.—Don Blanchard, Mgr.
Membership & Sections Div. — Hollister Moore, Mgr.
Administrative Div.—J. C. Hollis, Mgr.
Editor SAE Journal—Norman G. Shidle.
SAE Detroit Office—808 New Center Bldg., Detroit, Mich., R. C. Sackett, Mgr.
SAE Western Branch Office — 714 W. Olympic Blvd., Los Angeles 15, Cal., E. W. Rentz, Jr., Mgr.
(See also listing under SAE Sections and Groups)

RUBBER MANUFACTURERS ASSN., INC. (1900), 444 Madison Ave., New York 22, N. Y., A. L. Viles, Pres.

TIRE AND RIM ASSN., INC. (1903), 2001 First National Tower, Akron 8, Ohio, C. G. Hoover, Exec. V. P.

TRANSPORTATION ASSN. OF AMERICA (1935), 130 N. Wells St., Chicago 6, Ill., Edith C. Krogh, Sec.-Treas.

TRUCK BODY AND EQUIPMENT ASSN., INC. (1948), 403 Washington Bd. of Trade Bldg., 1616 K St., N.W., Washington 6, D. C., Arthur H. Nuesse, Exec. Mgr. (Formerly National Truck Body Mfrs. & Dist. Assn.)

TRUCK-TRAILER MANUFACTURERS ASSN., INC. (1941), Room 710, Albee Bldg., 1426 G St. N.W., Washington 5, D. C., John B. Hulse, Mgr.-Dir.

STATE MOTOR TRUCK ASSOCIATIONS

(Affiliated with American Trucking Assn., Inc., except as noted.)

ALABAMA TRUCKING ASSN., INC. (1936), Bell Bldg., Montgomery, Ala., J. Douglas Harris, Mgr.

ARIZONA MOTOR TRANSPORT ASSN. (1939), Suite 310, 11 N. Second Ave., Phoenix, Ariz., Ellis Wyatt, Secy.-Mgr.

ARKANSAS BUS & TRUCK ASSN., INC. (1942), 914 Wallace Building, Little Rock, Ark., Marion G. Ward, Mgr. (Also buses.)

*PRIVATE TRUCK OWNERS BUREAU OF CALIF., 1625 Russ Bldg., San Francisco 4, Calif., P. Arnold Anderson, Exec. V. P.

TRUCK OWNERS ASSN. OF CALIFORNIA, INC. (1934), 417 Market Street, Rm. 218, San Francisco, Cal., Larry Fites, Mgr.-Dir.

*AUTOMOTIVE COUNCIL, Box 2272, Terminal Annex, Los Angeles 54, Cal., D. R. Wood.

MOTOR TRUCK ASSN. OF CALIFORNIA (1935), 3301 S. Grand Ave., Los Angeles 7, Cal., Wade Sherrard, Gen. Mgr.

COLORADO MOTOR CARRIERS ASSN. (1939), 407 Denham Building, Denver 2, Col., Ed L. Reilley, Exec. Secy.-Treas.

MOTOR TRANSPORT ASSN. OF CONNECTICUT, INC. (1930), 410 Asylum Street, Hartford 3, Conn., John F. Maerz, Exec. Vice-Pres.

DELAWARE MOTOR TRUCK ASSN. (1939), Dover, Del., Fred J. Sievers, Jr., Mgr.

DISTRICT OF COLUMBIA TRUCKING ASSN., INC. (1934), 1424 16th St., N.W., Washington 6, D. C., John R. Scott, Exec. Secy.

FLORIDA TRUCKING ASSN., INC. (1934), 218 W. Church St., P. O. Box 238, Jacksonville, Fla., C. A. Gertner, Exec. Secy.

GEORGIA MOTOR TRUCKING ASSN., INC. (1934), 328 Ponce De Leon Ave., N.E., Atlanta, Ga, B. B. Boggs, Jr., Exec. V. P.

IDAHO MOTOR TRANSPORT ASSN. (1939), 909 Jefferson St., P. O. Box 834, Boise, Idaho, Kenneth Hartzler, Secy. Mgr.

CENTRAL MOTOR FREIGHT ASSN. (1930), 316 East Ohio St., Chicago, Ill., William Noorlag, Gen. Mgr.

ILLINOIS MOTOR TRUCK OPERATORS ASSN., INC. (1924), 30 N. LaSalle St., Chicago, Ill., Walter McCarren, Gen. Mgr.

INDIANA MOTOR TRUCK ASSN., INC. (1932), 2905 N. Meridian St., Indianapolis, Ind., James Nicholas, Exec. Secy.

*PRIVATE TRUCK OWNERS OF INDIANA, INC., 1127 Central Ave., Indianapolis 2, Ind., C. W. Abraham, Sec.

IOWA MOTOR TRUCK ASSN., INC. (1943), 310 Central National Bldg., Des Moines, Iowa, LeRoy Crowley, Secy.-Mgr.

KANSAS MOTOR CARRIERS ASSN., INC. (1936), VFW Bldg., 214 E. Sixth St., Box 2.5, Topeka, Kans., J. R. Halladay, Secy.-Mgr.

KENTUCKY MOTOR TRANSPORT ASSN., (1924), 601-01 Republic Bldg., Louisville 2, Ky., Lew Ullrich, Managing Director.

LOUISIANA MOTOR TRANSPORT ASSN., INC. (1939), 1216 Main St., P. O. Box 1326, Baton Rouge, La., James P. Babington, Secy.-Mgr.

MAINE TRUCK OWNERS ASSN. (1946), Rm. 313, 415 Congress St., Portland, Me., William P. Shapleigh, Exec. Secy.

MARYLAND MOTOR TRUCK ASSN., INC. (1935), 1103 Cloverdale Rd., Baltimore, Md., Thomas E. Wilderman, Gen. Mgr.

MASSACHUSETTS MOTOR TRUCK ASSN., INC. (1919), 262 Washington St., Boston 8, Mass., Myles Illingworth, Mgr.

MICHIGAN TRUCKING ASSN. (1934), 220 Fort Shelby Hotel, Detroit 26, Mich., E. T. Shilson, Man. Dir.

MINNESOTA MOTOR TRANSPORT ASSN. (1932), 2453 University Ave., St. Paul, Minn.

MISSISSIPPI TRANSPORT ASSN., INC. (1943), 504 Deposit Guaranty Bank Bldg., Jackson 104, Miss., C. R. Bradley, Mgr.

MISSOURI BUS & TRUCK ASSN. (1937), 628 Jefferson St., Jefferson City, Mo., U. G. Lewellen, Secy.

MONTANA MOTOR TRANSPORT ASSN. (1938), 124 N. 24th St., P. O. Box 1244, Billings, Mont., Leonard W. Eckel, Man. Dir.

NEBRASKA MOTOR CARRIERS ASSN., INC. (1924), 1318 "J" Street, Lincoln, Neb., Paul Halpine, Secy.

NEVADA MOTOR TRANSPORT ASSN. (1939), 210 West 2nd St., P. O. Box 2168, Reno, Nev., Robert Guinn, Secy.-Mgr.

NEW HAMPSHIRE TRUCK OWNERS ASSN., INC. (1936), 275 Hanover St., Manchester, N. H., A. J. Staby, Secy. Mgr.

NEW JERSEY MOTOR TRUCK ASSN. (1915), 10 Hill St., Newark 2, N. J., D. J. Crecca, Exec. Dir.

NEW MEXICO MOTOR CARRIERS ASSN. (1938), P. O. Box 1126, Albuquerque, N. M., Leslie R. Thomas, Man. Dir.

EMPIRE STATE HIGHWAY TRANSPORTATION ASSN., INC., 44 E. 23rd St., New York, N. Y., Joseph Adelizzi, Mgr.-Dir.

NORTH CAROLINA MOTOR CARRIERS ASSN. (1929), 712-15 Lawyers Bldg., Raleigh, N. C., J. T. Outlaw, Exec. V. P.

NORTH DAKOTA MOTOR CARRIERS ASSN., INC. (1935), 110 Third St., Bismarck, N. D., Allan M. Shirley, Secy. Mgr.

OHIO TRUCKING ASSN., INC. (1918), 50 W. Broad St., Columbus, Ohio, Ellis S. Perlman, Man. Dir.

ASSOCIATED MOTOR CARRIERS OF OKLAHOMA, INC. (1932), P. O. Box 983, 236 Oklahoma Natural Bldg., Oklahoma City, Okla., Fisher Muldrow, Exec. V. P.

OREGON TRUCKING ASSOCIATION (1939), 1401 N.W. 19th St., Portland, Ore., George H. Flagg, Mgr.

PENNSYLVANIA MOTOR TRUCK ASSN. (1928), 7th Floor, Telegraph Bldg., Harrisburg, Pa., Edward Gogolin, Gen. Mgr.

RHODE ISLAND TRUCK OWNERS ASSN. (1931), 49 Weybosset St., Providence 3, R. I., Mrs. L. M. Daly, Secy.

MOTOR TRANSPORTATION ASSN. OF SOUTH CAROLINA, INC. (1933), 2425 Devine St., Columbia, S. C., William B. Love, Jr., Gen. Mgr.

ASSOCIATED MOTOR CARRIERS, INC., OF SOUTH DAKOTA (1937), P. O. Box 496, Sioux Falls, S. D., R. G. Williams, Gen. Mgr.

TENNESSEE MOTOR TRANSPORT ASSN., INC. (1934), Hermitage Hotel Office Bldg., Nashville 3, Tenn., R. Stanley Owens, Mgr.

*PRIVATE TRUCK OWNERS ASSN. OF TEXAS, INC., P. O. Box 1091, Littlefield Bldg., Austin, Tex., Carl C. Hardin, Exec. Sec.

TEXAS MOTOR TRANSPORTATION ASSN., INC. (1932), 101½ E. 10th St., P. O. Box 92, Austin 1, Tex., James E. Taylor, Exec. Dir. (Also buses.)

UTAH MOTOR TRANSPORT ASSN., INC. (1932), 68 W. 4th St., P. O. Box 686, Salt Lake City 4, Utah, L. Darrel Welling, Secy. Mgr.

VERMONT TRUCK & BUS ASSOCIATION, INC. (1934), 26 Park Street, St. Barre, Vt., M. B. Emerson, V. P.

VIRGINIA HIGHWAY USERS ASSN., INC. (1931), Box 1397, Jefferson Hotel, Richmond 11, Va., E. H. Williams, Jr., Exec. V. P.

WASHINGTON MOTOR TRANSPORT ASSN., INC. (1923), 646 Holgate St., Seattle, Wash., William E. Hicks, Mgr. Dir.

WEST VIRGINIA MOTOR TRUCK ASSN., INC. (1936), 303 Duffy St., P. O. Box 5217, Charleston, W. Va., Emmett J. Bush, Mgr. Dir.

WISCONSIN MOTOR CARRIERS ASSN. (1931), One W. Main St., Madison, Wis., John P. Varda, Gen. Mgr.

WYOMING TRUCKING ASSN. (1940), 628 West Yellowstone, Casper, Wyo., Walter Kingham, Man. Dir.

* Affiliated with Private Truck Council of America, Inc.

STATE AND SECTIONAL BUS ASSOCIATIONS

ALABAMA BUS ASSN., 504 N. Court St., Montgomery, Ala., Luther Vines, Sec.

*ARKANSAS BUS AND TRUCK ASSN. (See State Motor Truck Assns.)

MOTOR CARRIERS ASSN. OF CALIFORNIA (1915), 400 Montgomery St., San Francisco 4, Cal., Arthur H. Samish, Sec.-Mgr.

CONNECTICUT MOTOR STAGE ASSN., INC. (1922), 193 Grand St., Waterbury, Conn., Frank T. Henley, Sec.

SOUTHEASTERN BUS TRAFFIC ASSN., INC. (1943), 6 N. Rhodes Center, N.W., Atlanta, Ga., M. E. Wood, Sec.-Mgr.

†*ILLINOIS BUS ASSN. (1925), 523 E. Capitol Ave., Springfield, Ill., Miss Altoe Nelson, Exec-Sec.

†*INDIANA BUS ASSN., INC. (1935), 218 Bankers Trust Bldg., Indianapolis 4, Ind., Harry J. Harman, Sec.

KENTUCKY PASSENGER BUS ASSN. (1937), 801 No. Limestone St., Lexington 15, Ky., W. E. Jones, Sec.-Treas.

*NEW ENGLAND BUS ASSN. 624 Fruit Hill Ave., North Providence 11, R. I., Leon A. Penoyer, Exec. Sec.

NEW ENGLAND TRANSIT CLUB, 10 High St., Boston 10, Mass., H. R. Benson, Sec.

MARYLAND MOTOR BUS OPERATORS ASSN., INC., 55 E. Washington St., Hagerstown, Md., F. D. Spofford, Sec.

†*MICHIGAN MOTOR BUS ASSN. (1921), 404 Hollister Bldg., Lansing, Mich., Robert Reakes, Pres.

*NEW JERSEY MOTOR BUS ASSN., INC. (1935), 921 Bergen Ave., Jersey City, N. J., Nathaniel L. Fish, Sec.-Treas.

*INTERCITY BUS TRAFFIC ASSN. OF NEW YORK STATE, INC. (1938), 1522 National Savings Bank Bldg., Albany 7, N. Y., Mildred K. Straub, Sec.

NEW YORK STATE MOTOR BUS ASSN., INC. (1934), D. & H. Bldg., 19-20 Plaza, Albany 7, N. Y., Brig. Gen. B. T. Fay, Exec. V. P. & Sec.

*OHIO MOTOR BUS ASSN. (1922), 209 S. 3rd St., Columbus 15, Ohio, R. J. Lewis, Sec.-Treas.

NORTHEASTERN BUS TRAFFIC ASSN., 2600 Hamilton Ave., Cleveland 14, Ohio, V. D. Morris, Sec.

ASSOCIATED MOTOR CARRIERS OF OKLAHOMA, INC. (1932), 236 Oklahoma Natural Bldg., P. O. Box 983, Oklahoma City, Okla., Fisher Muldrow, Exec. V. P.

*OREGON BUS ASSN., (1933), 509 S.W. Taylor St., Portland 4, Ore., R. K. Reed, Sec.-Treas.

†*PENNSYLVANIA BUS ASSN. (1923), Telegraph Bldg., Locust & Court Sts., Harrisburg, Pa., Jennie B. Brugnoni, Exec. Sec.

*TEXAS MOTOR BUS ASSN., INC. 211 W. 14th St., Austin, Tex., J. Manley Head, Sec.-Mgr.

TRI-STATE MAINTENANCE ASSN., c/o Southern Pennsylvania Bus Co., Chester, Pa., William H. Powelson, Sec.-Treas.

*VIRGINIA PASSENGER BUS ASSN., Box 7236, Richmond, Va., Harris Mitchell, Exec.-Sec.

*MOTOR COACH ASSN. OF WASHINGTON (1920), 211 Capitol Park Bldg., Olympia, Wash., H. F. Josefsky, Sec.-Mgr.

*WEST VIRGINIA BUS ASSN. (1924), P. O. Box 1267, Charleston 25, W. Va., R. A. Keeling, Sec.

*Affiliated with National Association of Motor Bus Operators.

†Affiliated with American Transit Association.

LOCAL FLEET ASSOCIATIONS

SOCIETY OF FLEET SUPERVISORS OF GREATER MIAMI, P. O. Box 267, Riverside Station, Miami 10, Fla.

FLEET SUPERVISORS ASSN. (1951), c/o R. E. Eason (Pres.) Shop Supt. Atlanta Transit Co., Atlanta, Ga.

MICHIGAN FLEET SUPERVISORS ASSN., 2627 Cadillac Tower Bldg., Detroit, Mich., Elmer Reeves, Sec.

MIDWEST FLEET SAFETY SUPERVISORS ASSN., 23 North East 4th St., Minneapolis 13, Minn., Alan Shapiro, Sec.-Treas.

GREATER KANSAS CITY FLEET MAINTENANCE ASSN., P. O. Box 1121, Kansas City, Mo., J. B. Anderson, Sec.

MOTOR TRUCK MAINTENANCE CLUB OF NEW YORK (1925), 44 Earl St., Westbury, L. I., N. Y., Walter E. Rosenberg, Sec.-Treas.

SOCIETY OF FLEET SUPERVISORS, INC. (OF NEW YORK) (1945), 15 Middlemay Circle, Forest Hill Gardens 75, N. Y., William De Mayo, Sec.

MAINTENANCE COUNCIL, N. CAROLINA MOTOR CARRIERS ASSN. (1953) 712-15 Lawyers Bldg., Raleigh, N. C., Harry Munier, Sec.

TRUCK AND BUS MAINTENANCE ASSN. OF BUFFALO (1945), 1274 West Ave., Buffalo, N. Y., Martin H. Doebert, Sec.

OKLAHOMA CITY FLEET SUPERVISORS ROUNDTABLE, 319 Hales Bldg., Oklahoma City 2, Okla., Dan Hollingsworth.

FLEET MAINTENANCE ASSN. OF PHILADELPHIA (1948), 1831 Naple Ave., Philadelphia 11, Pa., John R. Schaefer, Sec.

NATIONAL ASSN. OF FLEET SUPERVISORS (SPOKANE CHAPTER), c/o McHugo Transfer Co., 111 E. Sprague Ave., Spokane, Jack McHugo, Sec.

NATIONAL ASSN. OF FLEET SUPERVISORS (SEATTLE CHAPTER) (1947), 104 Chamber of Commerce Bldg., 215 Columbia St., Seattle 4, Wash., J. J. Hoban, Pres.

FLEET MAINTENANCE COUNCIL INC. OF AKRON, 921 Sherman St., Akron, O., Fred L. Fanelly, Pres.

STATE HIGHWAY USERS CONFERENCES

ALABAMA: Jim Britton, Exec. Secy., Alabama Petroleum Industries Committee, 621 Shepherd Bldg., Montgomery.

ARIZONA: E. J. Wyatt, Secy. Mgr., Arizona Motor Transport Assn., 11 North Second Ave., Phoenix.

ARKANSAS: J. C. Park, Arkansas Petroleum Industries Committee, 615 Rector Bldg., Little Rock.

CALIFORNIA: Allan G. Anderson, Private Truck Owners Bureau of California, Russ Bldg., San Francisco.

COLORADO: W. P. Scholl, Colorado United, Kittredge Bldg., Denver.

CONNECTICUT: E. Leroy Emanuelson, Exec. Secy., Connecticut Petroleum Industries Committee, 410 Asylum St., Hartford.

DELAWARE: Charles W. Lawson, Secy.-Mgr., Delaware Automobile Assn., 1310 Washington St., Wilmington.

FLORIDA: C. A. Gertner, Exec. Secy., Florida Trucking Assn., 218 West Church St., P. O. Box 238, Jacksonville.

GEORGIA: Mrs. Betty Peeler, Secy., Assn. County Commissioners of Georgia, 1729 Candler Bldg., Atlanta.

IDAHO: R. G. Cole, Mgr., Idaho State Automobile Assn., 414 Main St., Boise.

ILLINOIS: James C. Gilruth, Room 1241, 30 N. LaSalle St., Chicago 2.

INDIANA: Leland K. Fishback, Exec. Secy., Indiana Petroleum Industries Committee, Circle Tower, Indianapolis 4.

IOWA: James W. Richards, Exec. Secy., Iowa Petroleum Industries Committee, 512 Des Moines Bldg., Des Moines.

KANSAS: Clive R. Lane, Automobile Club of Kansas, 415-17 Topeka Blvd., Topeka.

KENTUCKY: Lew Ullrich, Mgr. Dir., Kentucky Motor Transport Assn. and Kentucky Automobile Dealers Assn., Republic Bldg., Louisville.

LOUISIANA: J. R. Major, Exec. Secy., Louisiana Petroleum Industries Committee, 404 Louisiana National Bank Bldg., Baton Rouge.

MAINE: Leroy T. Snowdon, Exec. Secy., Maine Petroleum Industries Committee, 283 Water St., Augusta.

MARYLAND: J. C. Darrell, Gen. Mgr., Automobile Trade Assn. of Maryland, 1010 St. Paul St., Baltimore 2.

MASSACHUSETTS: Howard B. Driscoll, Exec. Secy., Massachusetts Petroleum Industries Committee, 11 Beacon St., Boston 8.

MICHIGAN: Gilbert Haley, Mgr., Michigan Automobile Dealers Assn., 516 Olds Tower Bldg., Lansing 8.

MINNESOTA: H. M. Whisman, Exec. Secy., Minnesota Petroleum Industries Committee, Builders Exchange Bldg., Minneapolis 2.

MISSISSIPPI: Walter D. May, Exec. Secy., Mississippi Petroleum Industries Committee, 1204 Deposit Guaranty Bank Bldg., Jackson 14.

MISSOURI: D. G. Spencer, Exec. Secy., Missouri Petroleum Industries Committee, 208 Madison St., Jefferson City.

MONTANA: William H. Frederick, Scy. Mgr., Montana Auto Dealers Assn., P. O. Box 916, Helena.

NEBRASKA: C. Russell Lockwood, Exec. Secy., Nebraska Petroleum Industries Committee, 1320 J. St., Lincoln 8.

NEVADA: Robert F. Guinn, Mgr., Nevada Motor Transport Assn., 210 West 2nd St., Reno.

NEW HAMPSHIRE: Robert W. Kane, Gen. Mgr., N. H. Division AAA, 275 Hanover St., Manchester.

NEW JERSEY, W. J. Gaffney, Exec. Secy., N. J. Petroleum Industries Committee, 1408 Trenton Trust Bldg., Trenton 8.

NEW MEXICO: Joe Evans, N. M. School Bus Drivers Assn., Portales.

NEW YORK: Charles D. Henderson, 190 State St., Albany 10.

NORTH CAROLINA: Mrs. Margaret Caldwell, N. C. State Grange, Box H-1, Greensboro.

NORTH DAKOTA: J. B. Connolly, North Dakota Automobile Club, 18 8th St. South, Fargo.

OHIO: George B. Hammond, Public Relations Secy., Ohio State Council of Retail Merchants, 198 S. High St., Columbus 5.

OKLAHOMA: Aaron Gritzmaker, Secy., Oklahoma Hardware & Implement Assn., 515 Midwest Bldg., Oklahoma City.

OREGON: Roger Budlong, Editor, Oregon Motorist, 1101 S.W. Washington St., Portland 5.

PENNSYLVANIA: R. B. Maxwell, Mgr., Pennsylvania Motor Federation, 410 State Street Bldg., State & 3rd Sts., Harrisburg.

RHODE ISLAND: Joseph E. Connell, Exec. Secy., R. I. Petroleum Industries Committee, 17 Exchange St., Providence 3.

SOUTH CAROLINA: W. B. Love, Mng. Dir., Motor Transportation Assn. of South Carolina, 2425 Devine St., Columbia.

SOUTH DAKOTA: E. W. Stephens, Exec. Secy., South Dakota Petroleum Industries Committee, Hengel Bldg., Pierre.

TENNESSEE: Charles C. Gilbert, Jr., Exec. Secy., Tennessee Petroleum Industries Committee, Room 101, Hermitage Hotel Office Bldg., 228 Capitol Blvd., Nashville.

TEXAS: Carl C. Hardin, Mgr., Private Truck Owners Assn. of Texas, P. O. Box 1091, Austin.

UTAH: Lyle D. Sarvis, Mgr., Utah State Automobile Assn., 30 East 4th St. South, Salt Lake City.

VERMONT: William L. McKee, Exec. Secy., Vermont Petroleum Industries Committee, 52 State St., Montpelier.

VIRGINIA: Walter Chinn, President, Virginia Travel Council, Fredericksburg.

WASHINGTON: J. C. Gregory, Manager, Automobile Club of Washington, 1109 Pine St., Seattle 1.

WEST VIRGINIA: Francis C. Farley, Exec. Secy., West Virginia Petroleum Assn., Room 709, Atlas Bldg., Charleston 1.

WISCONSIN: Harry Klueter, Exec. Secy., Wisconsin Milk Dealers Assn., 1 West Main St., Madison.

WYOMING: Fred E. Woodring, Exec. Secy., Wyoming Trucking Assn., 628 W. Yellowstone Ave., Casper.

SAE LOCAL SECTIONS AND GROUPS

ALBERTA: Wesley Moore, 524 Crescent Rd., Calgary, Alberta, Canada.

ATLANTA: Ernest D. Troutman, Auto Electric Co. of Ga., 115 Piedmont Ave., N. E., Atlanta, Ga.

BALTIMORE: Maurice E. Ensor, Baltimore Transfer Co., Monument and Dean Sts., Baltimore 5, Md.

BRITISH COLUMBIA: Burdette Trout, Suite 6, 1436 Pendrell St., Vancouver, B. C., Canada.

BUFFALO: Albert H. Gille, R. C. Neal Co., Inc., 76 Pearl St., Buffalo 2, N. Y.

CANADIAN: Douglas M. Park, Wallace Barnes Co., Ltd., Hamilton, Ont., Canada.

CENTRAL ILLINOIS: Russell W. Rand, 5023 Circle Court, Peoria, Ill.

CHICAGO: Floyd E. Ertsman, Chicago Section, SAE, 1420 Fisher Bldg., 343 So. Dearborn St., Chicago 4, Ill.

CINCINNATI: Harry A. Truscott, 2854 Ridgewood Ave., Cincinnati 13, Ohio.

CLEVELAND: Mrs. Ethel M. Black, Cleveland Section, SAE, 7016 Euclid Ave., Room 210, Cleveland 3, Ohio.

COLORADO: L. C. Atchison, 527 S. York St., Denver 9, Colo.

DAYTON: Paul J. Long, Jr., 333 Shroyer Rd., Dayton 9, Ohio.

DETROIT: Mrs. Sarah J. Duvall, Detroit Section, SAE, 100 Farnsworth Ave., Detroit 2, Mich.

HAWAII: Ivan B. Palmer, 3035 Kiele Ave., Honolulu, Hawaii.

INDIANA: Vernon H. Lewis, J. D. Adams Mfg. Co., 217 So. Belmont Ave., Indianapolis, Ind.

KANSAS CITY: Marshall L. Werth, 615 No. 31st St., Kansas City, Kan.

METROPOLITAN: F. F. Smith, Society of Automotive Engineers, 29 West 39th St., New York 18, N. Y.

MID-CONTINENT: John F. Dickmann, E. I. du Pont de Nemours & Co., Petroleum Chemicals Div., 1811 So. Baltimore, Tulsa, Okla.

MID-MICHIGAN: Louis L. Otto, Prof., 1517 Kensington Ave., Lansing, Mich.

MILWAUKEE: Phillip S. Myers, Prof., Univ. of Wisconsin, 1513 University Ave., Madison, Wis.

MONTREAL: Barstow H. Miller, Imperial Oil Ltd., P. O. Box 310, Montreal, Quebec, Canada.

MOHAWK-HUDSON: Lewis F. Smith, 1505 Valencia Rd., Schenectady, N. Y.

NEW ENGLAND: Lewis W. Kerr, 16 Lowell St., Woburn, Mass.

NORTHERN CALIFORNIA: P. L. Pinotti, California Research Corp., 576 Standard Ave., Richmond, Cal.

NORTHWEST: William J. McClure, 17226 Fourth Ave., S. W., Seattle 66, Wash.

OREGON: Edward E. Werlein, 1704 S. E. Lavender St., Portland 14, Ore.

PHILADELPHIA: Andrew T. Browne, O. E. Szekely & Associates, Inc., 5812 W. Westminster Ave., Philadelphia 31, Pa.

PITTSBURGH: Court L. Wolfe, Mellon Institute of Industrial Research, 4400 Fifth Ave., Pittsburgh 13, Pa.

ST. LOUIS: Henry J. Buelt, Socony-Vacuum Oil Co., Inc., Lubrite Div., 125 Potomac St., St. Louis, Mo.

SALT LAKE: Harold E. LaBelle, Jr., Phillips Petroleum Co., Wasatch Div., 68 S. Main St., Salt Lake City, Utah.

SAN DIEGO: William F. Bunsen, 9162 Johnson Dr., La Mesa, Cal.

SOUTHERN CALIFORNIA: Paul L. Garver, 4911 Morella Ave., North Hollywood, Cal.

SOUTHERN NEW ENGLAND: Spencer Deming, 48 Peach Tree Rd., Glastonbury, Conn.

SPOKANE-INTERMOUNTAIN: John L. Peters, Cummins Diesel Sales, Inc., E-3904 E. Trent Ave., Spokane, Wash.

SYRACUSE: Lloyd L. McArthur, 116 Pine Tree Dr., No. Syracuse, N. Y.

TEXAS: Artemon P. Johnston, Atlantic Refining Co., P. O. Box 2819, Dallas, Texas.

TEXAS GULF COAST: Louis F. Mock, Jr., 5201 Pocahontas St., Bellaire, Texas.

TWIN CITY: S. H. Knight, Northern Pacific Railway Co., 176 E. Fifth St., St. Paul 1, Minn.

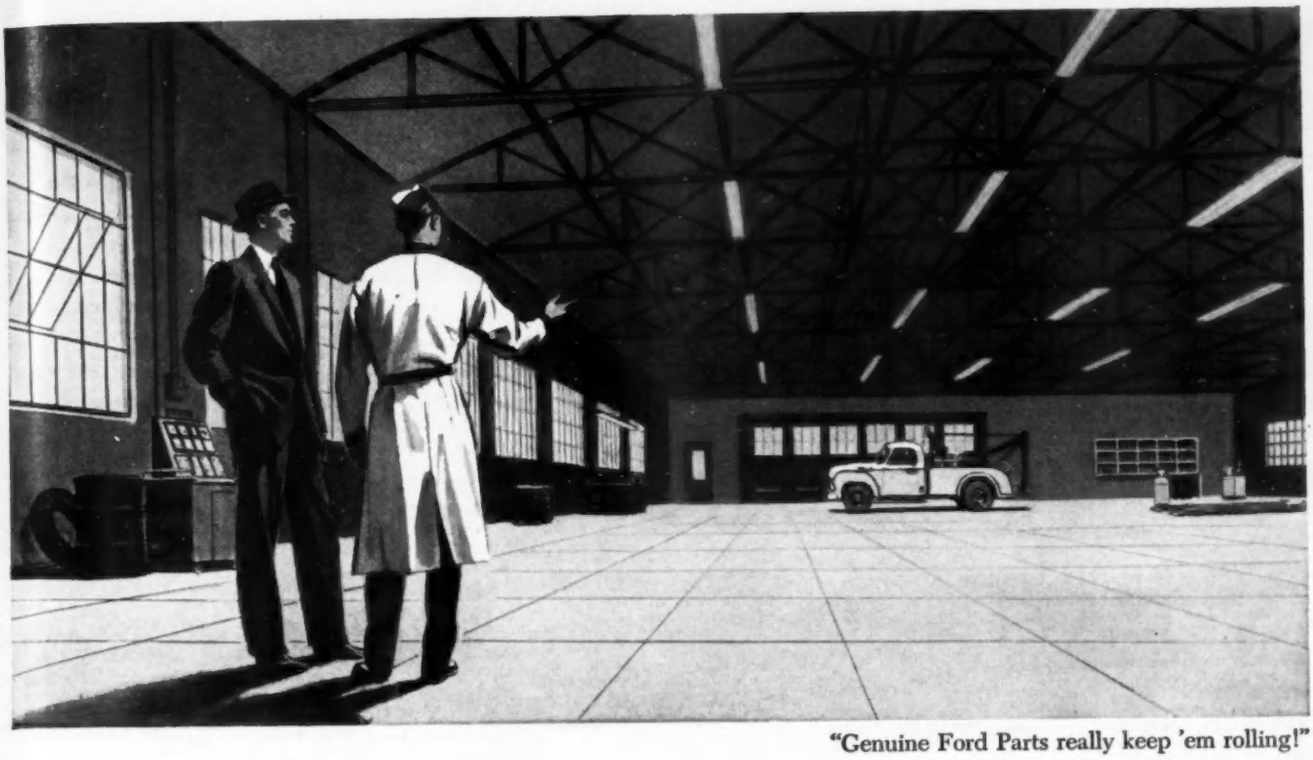
VIRGINIA: William L. Groth, Dept. of State Police, Box 1299, Richmond 10, Va.

WASHINGTON: Harold D. Hoekstra, 253 No. Columbus St., Arlington 3, Va.

WESTERN MICHIGAN: Bernard E. Ricks, Thompson Products, Inc., 169 West Park St., Fruitport, Mich.

WICHITA: Charles Y. Allison, Jr., 5028 East Morris, Wichita, Kan.

WILLIAMSPORT: Blair S. Kratzer, EMCO, 1605 Memorial Ave., Williamsport, Pa.



"Genuine Ford Parts really keep 'em rolling!"

The fleet's out

Keep your fleet out of the repair garage with Genuine Ford Parts. They're made right . . . to fit right . . . to last longer in your FORDS!

The happiest and most profitable day for a fleet owner is the day the whole fleet's out! And the *best* way to make sure you enjoy many such days is to make Genuine Ford Part replacements your "standard of operation."

Genuine Ford Parts have to *prove* themselves in grueling track-tests at Ford proving grounds *before* being approved for manufacture. That's an important reason why *you* can count on Genuine Ford Parts to keep *your* Fords out of the "shop" longer . . . out on the road, where you want them.

What's more, mechanics find them easy to install. So you're going to like the way they cut down-time . . . get your fleet on its "feet" *quickly*. They're easily available, too, at all Ford Dealers and from thousands of "independents" from Coast to Coast.

GENUINE Ford PARTS

Keep your fleet on its feet with

CAPS, Tire Valve—*continued*

Emvir Mfg. Co., 1705 Lincoln St., Evanston, Ill. "Autocap." (Automatic.)
G. M. Co., Mfg. Inc. 13-08 43rd Ave., Long Island City, L. I., N. Y.
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis.
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.

CARBON MONOXIDE INDICATORS, See Indicators, Corbon Monoxide
CARBON MONOXIDE REMOVING SYSTEMS, See Exhaust Gas Removing Systems

CARBURETORS, Butane, Propane

American Liquid Gas Corp., 1109 Santa Fe Ave., Los Angeles 21, Calif. "Algas."
Century Gas Equipment Co., 11188 Long Beach Blvd., Lynwood, Calif.
Dix Mfg. Co., 3447 E. Pico Blvd., Los Angeles 23, Calif.
Ensign Carburetor Co., 7010 E. Alameda St., Huntington Park, Calif.
Parkdale Co., 2642 Lacy St., Los Angeles 31, Calif.
J & S Carburetor Co., 2634 N. Beckley St., Dallas 2, Tex.
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich.

CARBURETORS, Gasoline

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Stromberg" (Aircraft and automotive for replacement sales.)
Carter Carburetor Corp., 2840 N. Spring Ave., St. Louis 7, Mo. (Automatic and manual choke.)
Eclipse Machine Div., Bendix Aviation Corp., Elmira, N. Y. "Stromberg." (For equipment sales.)
Holley Carburetor Co., 11955 E. Nine Mile Rd., Van Dyke, Mich.
Marvel-Schebler Products Div., Borg-Warner Corp., Decatur, Ill. "Marvel," "Johnson."
Rochester Products Div., General Motors Corp., 1000 Lexington Ave., Rochester 3, N. Y.
Tillotson Mfg. Co., Toledo, Ohio.
United Motors Service, General Motors Bldg., Detroit 2, Mich.
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich. "Zenith." (Also "Zenith Gov-U-Retor." Combination carturetor and governor.)

CARBURETOR PARTS

Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Automotive Research & Mfg. Co., 1085 Iris Place, Westbury, N. Y. "ARM-Co."
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "Stromberg." (For replacement sales.)
Carter Carbuetor Corp., 2840 N. Spring Ave., St. Louis 7, Mo. (Automatic and manual choke.)
Eclipse Machine Div., Bendix Aviation Corp., Elmira, N. Y. "Stromberg." (For equipment sales.)
Holley Cartureto Co., 5930 Vancouver Ave., Detroit 4, Mich.
Hygrade Products Div., Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Marvel-Schebler Products Div., Borg-Warner Corp., Decatur, Ill. "Marvel," "Rayfield," "Schebler," "Johnson."
Octa-Gane, 6654 W. Las Tunas Drive, San Gabriel, Calif. "Gane." (Needles.)
P & D Mfg. Co., 1902 Steinway St., Long Island City 5, N. Y.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Precision Automotive Components Co., 7263 Lansdowne St., St. Louis 19, Mo. "Pacco."
Rochester Products Div., General Motors Corp., 1000 Lexington Ave., Rochester 3, N. Y.
Simmons Mfg. Co., Ashland, Ohio.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Tillotson Mfg. Co., 761 Berdan St., Toledo 12, Ohio.
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich. "Zenith." (Also "Zenith Gov-U-Retor." Combination carburetor and governor.)

CARRIERS, Storage Battery

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Berkson Products, Inc., 217 N. Desplaines St., Chicago 6, Ill.
Bishman Mfg. Co., Osseo, Minn.
Central Equipment Co., 1112 S. Wabash Ave., Chicago, Ill.
Champ Items, Inc., 6191 Maple Ave., St. Louis 14, Mo.
Duro Metal Parts Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Grant Storage Battery Co., 226 N. Second St., Minneapolis, Minn.
Houser Engng. & Mfg. Co., Bluffton, Ind.
Kreger Mfg. Co., L. F., 540 W. 36th St., Chicago 16, Ill. "Safe-Tee Grip."
Loock & Co., R. J., 843 N. Gay St., Baltimore, Md., "Lightnin."
Majestic Handle Co., 2515 S. Wabash Ave., Chicago, Ill. (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Murray Corp., Towson 4, Md.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., Hand Tools Div., South St., New Britain, Conn.
Powercraft Corp., 2515 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Safety Grip Mfg. Co., 620 N. Pine St., Bethlehem, Pa.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y.
Schartow Iron Products Co., 16th St. & Junction Ave., Racine, Wis. "Sipco."
Thompson-Neaylon Mfg. Co., 3535 S. Morgan St. Chicago 9, Ill. "T-N."
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill.
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y.
Wisconsin Storage Battery Co., 1222-18th St., Racine, Wis. "Wisco."

CARRIERS, Tire

Clark Mfg. Co., Room 303, Lettunich Bldg., Watsonville, Calif. (For trucks, buses and trailers.)
Hutchison Co., 5931 St. Vincents Ave., Shreveport, La. "Redi-Fit." (For trucks.)
Nash Bros. Co., 2125 Dewey Ave., Evanston, Ill. (For trucks and trailers.)
Sudenga Iron Works, George, Iowa. (Side mounted, for pickup trucks.)

CEMENT, Cast Iron

(For repairing cracks in castings)

All-State Welding Alloys Co., 249-255 Ferris Ave., White Plains, N. Y. "Karseal."
Bell Co., 411 N. Wolcott St., Chicago 22, Ill. "Flare."
Blue Seal Metals Co., Sandston, Va.
Obermayer Co., S., 2563 W. 18th St., Chicago 8, Ill "Esso."
Sauereisen Cements Co., Sharpsburg Station, Pittsburgh 15, Pa.
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Krak Mend."
Western Kelli-Metal Co., 1140 E. Ellsworth St., Denver 9, Colo. "Kelli-Metal."

CEMENT, GASKET, See Gasket Compounds

CEMENT, Rubber, Liquid

Baldwin Rubber Co., 366 S. Boulevard, E., Pontiac, Mich.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio. "Welltried."
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Airite," "Fidelity."
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron, Ohio.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Hollingshead Corp., R. M. 840 Cooper St., Camden, N. J.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Porter Mfg. & Supply Co., 2836 Sunset Blvd., Los Angeles 26, Calif. "Gasgacinch."
St. Clair Rubber Co., 440 Jefferson Ave., E., Detroit, Mich. "Clair-Bond."
Stay-Tite Products Co., 3107 Detroit Ave., Cleveland, Ohio. "Stay-Tite XXX."
Union Bay State Chemical Co., 491 Main St., Cambridge, Mass. "Baytex."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Universal Chemical Div. R. M. Hollingshead Corp., 840 Cooper St., Camden, N. J.
Van Cleef Bros., Inc., 7800 S. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure Rite."

CHAINS, Timing

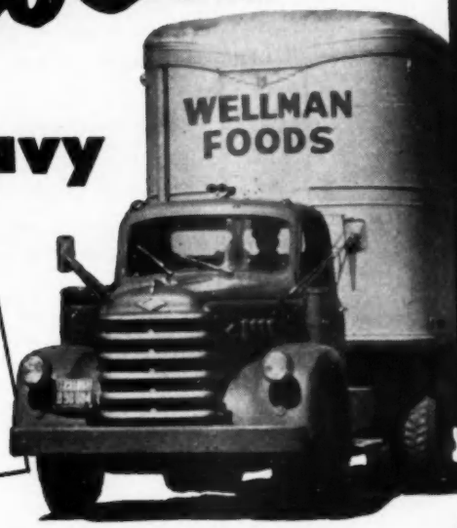
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Morse."
Chain Belt Co., 4733 W. Greenfield Ave., Milwaukee 1, Wis. "Duckworth."
D & B Mfg. Co., 2312 S. Indiana Ave., Chicago 16, Ill.
Diamond Chain Co., 402 Kentucky Ave., Indianapolis 7, Ind.
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Link-Belt Co., 307 N. Michigan Ave., Chicago 1, Ill. "Silverstreak."
Morse Chain Co. (Div Borg Warner Corp.), 7601 Central Ave., Detroit 8, Mich. (Sole distributor to replacement trade, Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill.)
Perfection Gear Co., 152nd St. & Pincennes Ave., Harvey, Ill.
Ramsey Chain Co., Troy Rd., Albany, N. Y.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Whitney Chain & Mfg. Co., 237 Hamilton St., Hartford 2, Conn.

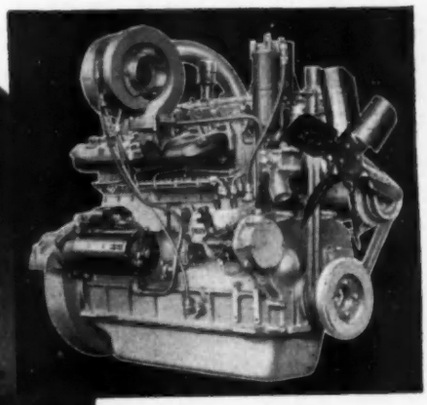
CHAINS, Tire

American Chain Div. of American Chain & Cable Co., 454 E. Princess St., York, Pa.
Auto Master Corp., 980 S. Bayshore Blvd., San Mateo, Calif.
Bridgeport Chain & Mfg. Co., 1201 Crescent Ave., Bridgeport, Conn. "Round."
Campbell Chain Co., York, Pa. "Campbell," "Campbell Kurik-On," "Lug-Reinforced."
Cleveland Chain & Mfg. Co., Broadway & Chaincraft Rd., Cleveland 5, Ohio. "Cleveland-Sterling Wearwell," "Master Grip" & "T-Bar."
Columbus-McKinnon Chain Corp., Tonawanda, N. Y. "Claw."
Hite Mfg. Co., 1916 Dayton Blvd., North Chattanooga 5, Tenn.
Hodell Chain Co., Div. of National Screw & Mfg. Co., 3924 Cooper Ave., Cleveland 3, Ohio.
Lloyd Chain Mfg. Co., Fifth & Market Sts., Marysville, Mo.
McKay Co., 1005 Liberty Ave., Pittsburgh, Pa. "McKay," "Multigrip." (Steel.)
Nixdorf-Krein Mfg. Co., 916 Howard St., St. Louis 6, Mo. "Elephant Brand."
Peerless Chain Co., Front & Walnut Sts., Winona, Minn. "Peerless," "Superior," "Kwick-On." "Gumbo."
Round California Chain Co., So. San Francisco, Calif. "Round."
Round Chain & Mfg. Co., 5050 S. Austin Ave., Chicago 38, Ill. "Round."
Round Los Angeles Chain Corp., Los Angeles 54, Calif. "Round."
Round Seattle Chain Corp., 6921 E. Marginal Way, Seattle 8, Wash., and Portland 10, Ore. "Round."
Round Woodhouse Chain & Mfg. Co., Third St., Trenton 7, N. J. "Round."

WAUKESHA *Diesels*

for fast, heavy hauls...

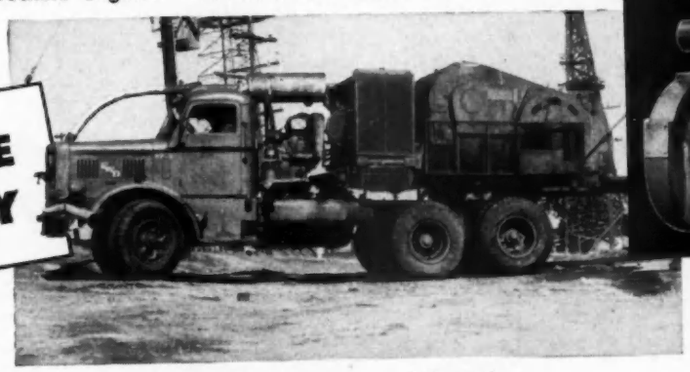


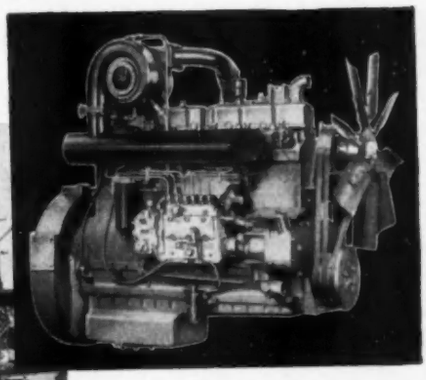


135-DKB Series DIESELS
Turbocharged (shown) **or Normal**
426 cu. in.; 100 to 187 hp.

CROSS COUNTRY

...where the pay-off is on payload—you'll make more miles and cut costs, too, with these modern feature-packed truckers' engines—Waukesha 135 Series Diesels.

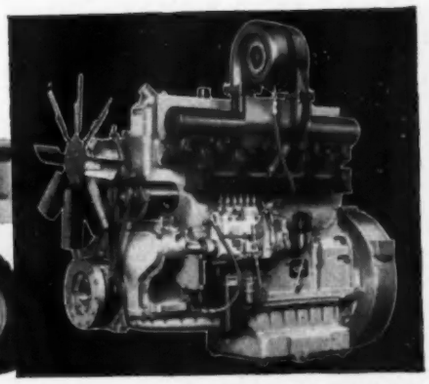




148-DKB Series DIESELS
Turbocharged (shown) **or Normal**
779 cu. in.; 170 to 280 hp.

OFF THE HIGHWAY

...in and out...down and up...over and through ...go the trucks with Waukeshas—148 Series Diesels putting out the power that pulls and pays.



WAKDB Series DIESELS
Turbocharged (shown) **or Normal**
1197 cu. in.; 240 to 350 hp.

EXTRA HEAVY-DUTY

...those tremendous, crushing 30-ton, 35-ton, 40-ton loads ...up stiff grades, without faltering or breakdown ...day after day—with Waukesha WAKDB Series Diesels.

Send for Bulletins

262

WAUKESHA MOTOR COMPANY, WAUKESHA, WIS.
New York **Tulsa** **Los Angeles**

CHAINS, Tire—*continued*

Russell Mfg. Co. Inc., John M., 900 Rubber Ave., Naugatuck, Conn.
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y.
Southern Chain & Mfg. Co., 3207 Second Ave., Birmingham 4, Ala. "Round."
Taylor Chain Co., S. G., P. O. Box 509-C, Hammond, Ind. "Taylor-Made," "Tayco."
Turner & Seymour Mfg. Co., 100 Lawton St., Torrington, Conn.
United States Chain Co., 2240 S. Lumber St., Chicago 16, Ill.
Western Chain Co., 1807 Belmont Ave., Chicago 13, Ill. "Wesco."

CHAINS, ADJUSTERS, See Adjusters, Tire Chain

CHARGERS, Battery

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. ("Unitron" bulb type; "Allen" rapid type.)
Associated Equipment Corp., 5147 Natural Bridge Ave., St. Louis 15, Mo. "Associated-Hartman." (Rapid and slow types.)
Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo. "Handy." (Bulb and rapid types.)
Berg-Gibson Mfg. Co., 817 E. 17 St., Kansas City 8, Mo. "B & G." (Rapid type.)
Blitz Electric Co., 5713 Wentworth Ave., Chicago 21, Ill. (Bulb and rapid types.)
Bogue Electric Mfg. Co., 52 Iowa Ave., Paterson 3, N. J.
Dyna-Charger—See Allen Electric & Equip. Co.
Electric Products Co., 1725 Clarkstone Rd., Cleveland 12, Ohio. (Motor generator type.)
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa. "Exide." (Rapid and slow types.)
Fox Products Co., 4720 N. 18th St., Philadelphia 41, Pa. (Rapid and slow types.)
General Electric Co., Apparatus Sales Div. 1 River Rd., Schenectady 5, N. Y. "Tungar." (Bulb and rapid types.)
Gould-National Batteries, Inc., E-1201 First National Bank Bldg., St. Paul 1, Minn. (Rapid type.)
Grant Storage Battery Co., 226 N. 2 St., Minneapolis Minn. (Rapid type.)
H & H Products Mfg. Co., P. O. Box 2332 Terminal Annex, Los Angeles 54, Calif. (Rapid type.)
Hammett Electric Mfg. Co., 209 W. 19th St., Kansas City 8, Mo. (Rapid type.)
Heyer Industries, Inc., 471 Cortlandt St., Belleville 9, N. J. (Bulb and rapid types.)
Jordan Electric Mfg. Co., 222 N. 2 St., Minneapolis 1, Minn. ("Jordan" bulb type; "Nu-Way" rapid type.)
King Electric Equipment Co., 9115 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa. (Bulb and rapid types.)
McColpin-Christie Corp., 3410 W. 67th St., Los Angeles 43, Calif. ("C & C" bulb type; "C & C Charg-A-Lyzer." rapid type.)
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn. (Rapid type.)
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo. (Rapid type.)
Motor Generator Corp., Troy, Ohio. "MCG." (Motor generator type.)
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill. "Pure-Sure."
Put Battery Charger Co., 1207 Castle St., Dallas, Texas.
Quick Charge Inc., 170 N. E. 10th St., Oklahoma City, Okla. (Rapid and slow types.)
Rectifier Engrg. Co., 1803 E. 7th St., Los Angeles 21, Calif. "Reco." (Bulb and rapid types.)
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio. (Bulb type.)
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill. (Rapid type.)
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill. "Silver Beauti." (Selenium bulb and rapid types.)
Westinghouse Electric Corp., 306 4th Ave., Pittsburgh 30, Pa. (Generator type; "Rectox" copper oxide.)
Willard Storage Battery Co., 246 E. 131st., Cleveland 1, Ohio. (Bulb and rapid types.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. (Bulb and rapid types.)

CHUCKS, Air, Tire Inflating

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Amseco, Inc., 145 S. Monterey Ave., Villa Park, Ill.
Barmotive Products, Inc., 440 Peralta Ave., San Leandro, Calif.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Coronet Parts Mfg. Co., 951 Shepard Ave., Brooklyn 8, N. Y.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.
Druge Bros. Mfg. Co., 888 92nd Ave., Oakland 3, Calif. "Tru-Flate." (Sole distributors, Tru-Flate, Inc., 888 92nd Ave., Oakland 3, Calif.)
G. M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Peters & Russell, Inc., 501 W. Liberty St., Springfield, Ohio. "Par."
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Romort Mfg. Co., Oakfield, Wis.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y. "Dubltite."
Wood Company, John H., Broadway & Woods St., Muskegon, Mich.

CHUCKS, Wheel

Calumet Steel Castings Corp., 1642 Summer St., Hammond, Ind.

CIRCUIT BREAKERS, See Breakers, Circuit

CLAMPS, Battery Hold Down

Bishman Mfg. Co., Osseo, Minn.
Callanan Mfg. Co., 221 Summer St., Lynn, Mass.
Champ-Items, 6191 Maple Ave., St. Louis 14, Mo.
Cuyahoga Spring Co., 10230 Berea Rd., Cleveland 2, Ohio.
Kreger Mfg. Co., L. F., 540 W. 85th St., Chicago 16, Ill.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Murray Corp., Towson 4, Md.
Safety Grip Mfg. Co., 620 N. Pine St., Bethlehem, Pa.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y.
Schartow Iron Products Co., 16th St. & Junction Ave., Racine, Wis. "Sipco."
Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Thompson-Neaylon Mfg. Co., 3545 S. Morgan St., Chicago 9, Ill.
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill.
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y. "National."
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.

CLAMPS, Brake Cylinder, Hydraulic

Atmars-Mechanico, 3561 Lakeshore Ave., Oakland 10, Calif.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Eis Automotive Corp., Middletown, Conn.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Murray Corp., Towson 4, Md.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Rinck-McIlwaine, Inc., 16 Hudson St., New York, N. Y. "Rimac."
Supco Div., Lisle Corp., 805 E. Main St., Clarinda, Iowa.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

CLAMPS, Brake Lining

Adjustable Clamp Co., 425 N. Ashland Ave., Chicago 22, Ill. "Pony."
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Cincinnati Tool Co., 1967 Waverly Ave., Cincinnati 12, Ohio. "Hargrave."
Grigg Specialty Tools, 8103 Marbrisa Ave., Huntington Park, Calif.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Cal. "Thomason."

CLAMPS, Hose

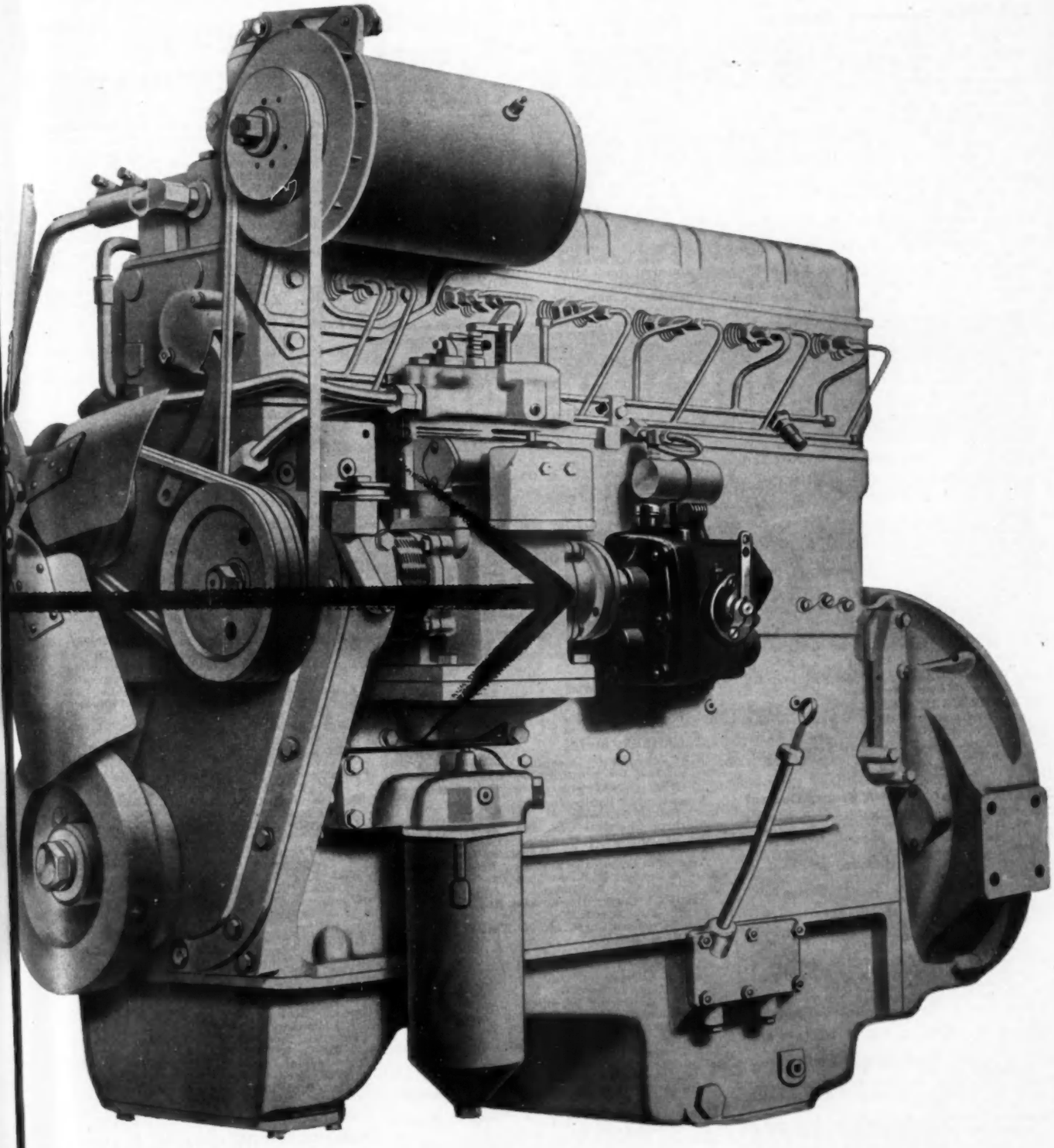
Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
American Stamping Co., 310 E. Burnham St., Battle Creek, Mich.
Anchor Coupling Co., 342 N. 4th St., Libertyville, Ill.
Arsco Mfg. & Sales Co., 451 10th Ave., New York 18, N. Y.
Breeze Corps., Inc., 41 S. Sixth St., Newark 7, N. J. "Aero-Seal."
Brewer-Titchener Corp., 115 Pt. Watson St., Cortland, N. Y.
Carston Mfg. Co., 46 N. 2nd St., Mt. Vernon, N. Y.
Central Equipment Co., 1112 S. Wabash Ave., Chicago, Ill.
Champ-Items Inc., 6191 Maple Ave., St. Louis 14, Mo.
Clancy, Inc., J. R., 1010 W. Belden Ave., Syracuse, N. Y. "Sure-grip."
Corbin Hose Clamp, Div. American Hardware Corp., New Britain, Conn.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Evertite." (Radiator; "Everhot" heater.)
Garrett Co., George K., D & Tioga Sts., Philadelphia 34, Pa. "Diamond G."
Hansen Mfg. Co., 4031 W. 150th St., Cleveland 11, Ohio.
Hunt & Son, C. B., 1913 E. Pershing St., Salem, Ohio. "Quick as Wink."
Ideal Corp., 435 Liberty Ave., Brooklyn 1, N. Y. "Ideal," "Snaplock," "Airline," "Wire Seal," "Wraplack."
Ingersoll-Rand Co., 11 Broadway, New York, N. Y.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Marman Products Co., 11214 Exposition Blvd., Los Angeles 64, Calif.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Mulconroy Co., 54th & Jefferson Sts., Philadelphia, Pa.
Murray Corp., Towson 4, Md. "Wire Grip."
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Tinnerman Products, Inc., 8700 Brookpark Rd., Cleveland, Ohio. "Speed Clamps."
Turner Mfg. Co., 404 W. Superior St., Kokomo, Ind.
United Steel & Wire Co., 27 Fonda Ave., Battle Creek, Mich. "Double-Tite."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Wickwire Spencer Steel Div. of Colorado Fuel & Iron Corp., 575 Madison Ave., N. Y. 22, N. Y. (Heater.)
Williams Products Co., H. E., 100 S. Main St., Carthage, Mo.
Wittek Mfg. Co., 4305 W. 24th Place, Chicago 23, Ill. "Noc-Out."

CLEANERS, Air, Carburetor

AC Spark Plug Div., 1300 N. Dort Highway, General Motors Corp., Flint 2, Mich.
Air Cleaner Service Co., 1717 S. Acoma St., Denver 10, Colo. "Cyclone."
Dollinger Corp., 20 Center Pk., Rochester 3, N. Y. "Staynew."
Donaldson Co., 666 Pelham Blvd., St. Paul 4, Minn. "Donaldson Oil Washed."
Fram Corp., East Providence 16, R. I.
Houdaille-Hershey Corp., North Chicago Div., 1900 Foss Park Ave., North Chicago, Ill.
Industrial Wire Cloth Products Corp., Fourth & Brush Sts., Wayne, Mich.
United Specialties Co., United Air Cleaner Div., 9705 Cottage Grove Ave., Chicago 28, Ill. (Oil.)
Vortox Co., 121 S. Alexander Ave., Claremont, Cal. (Oil bath.)

CLEANERS, Air, Crankcase Breather

AC Spark Plug Div., 1300 N. Dort Highway, General Motors Corp., Flint 2, Mich.
Fram Corp., East Providence 16, R. I.
Industrial Wire Cloth Products Corp., Fourth & Brush Sts., Wayne, Mich.



CLEANERS, Carburetor, Chemical

Brulin & Co., 2939 Columbia Ave., Indianapolis 7, Ind.
Choloun Mfg. Co., 331 East St., New Haven, Conn.
Commercial Solvents Corp., 260 Madison St., New York 16, N. Y. "Nor'way."
Crystal Soap & Chemical Co., 6300 State Rd., Philadelphia 35, Pa.
Curran Corp., S. Canal St., Lawrence, Mass. "Gunk H-S."
Delta Chemical Co., 682 S. Cox St., Memphis 1, Tenn.
Drew & Co., E. F., Automotive Chemicals Div., 15 E. 26th St., New York, N. Y. "Drew Ameroid."
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio. "Carburex."
Fine Organics, Inc., 211 E. 19th St., New York 3, N. Y.
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio. "Cab-66."
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "Soax."
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Harley Soap Co., Pierce & Orthodox Sts., Philadelphia 37, Pa. "Harco."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz Dip-Zof."
Kelite Products Inc., 1250 N. Main St., Los Angeles, Calif.
Kleer-Flo Co., 250 W. 57th St., New York 19, N. Y.
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Oakite Products, Inc., 19 Rector St., New York, N. Y.
Pennsylvania Refining Co., Gumout Div., 2686 Lisbon Rd., Cleveland 4, Ohio. "Penn Drake."
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y.
Rust Master Chemical Co., 50 Creighton St., Cambridge, Mass. "Carb-Master."
Service Supply Co., 1115 Seventh St., Denver 2, Colo. "Solvo."
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
United States Aviex Co., 1350 Maple St., Niles, Ohio.
V-O Mfg. Co., 13165 Sherman Way, North Hollywood, Calif.

CLEANERS, CHEMICAL, See Solvents, Oil, Carbon & Grease Removing

CLEANERS, COOLING SYSTEMS, See Flushers, Radiator and Block (Portable)

CLEANERS, DIFFERENTIAL and TRANSMISSION, See Flushers, Differential and Transmission

CLEANERS, Driveway & Floor, Cement

Carey Mfg. Co., Philip Lockland, Cincinnati 15, Ohio.
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio. "SWG."
Flor-Dry Co., 2314 Wycliff St., St. Paul 4, Minn.
Magnus Chemicals Co., Inc., 38 South Ave., Garwood, N. J.
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Oil-Dri Corp. of America, 520 N. Michigan Ave., Chicago, Ill.
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa. "Penn Drake Kwixorb."
Philadelphia Quartz Co., 1146 Public Ledger Bldg., 6th & Chestnut Sts., Philadelphia 6, Pa.
Rhodes & Co., James H., 153 W. Hubbard St., Chicago 10, Ill.
Speedi-Dri Corp., 210 W. Washington Square, Philadelphia 5, Pa.
Waverly Petroleum Products Co., 1724 Chestnut St., Philadelphia 3, Pa. "Sol-Speedi-Dri."
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich. "Wyandotte Zorball."

CLEANERS, Engine, Chassis and Fender

Aeroil Products Co., Wesley St., South Hackensack, N. J.
Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing, Mich. "Viscucleaner." (Steam.)
Chem-Therm Mfg. Co., Pasadena, Calif.
Circo Equipment Co., 120 Central Ave., Clark Township (Rahway), N. J.
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. "Clayton-Kerrick." (Hot vapor spray; also portable steam.)
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill.
Curran Corp., Lawrence, Mass. (Cylinder head cleaning kits.)
Eclipse Fuel Engineering Co., 1111 Buchanan St., Rockford, Ill.
Ewing Mfg. Co., 2545 N. W. Tenth St., Oklahoma City, Okla. (Steam.)
Friend Mfg. Co., East Ave., Gasport, N. Y.
General Equipment Div., Sterod Mfg. Co., 442 Frelinghuysen Ave., Newark 5, N. J.
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hansen Mfg. Co., 4031 W. 150th St., Cleveland 11, Ohio.
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny."
Hydro-Air Cleaning Systems Inc., 11311 Miles Ave., Cleveland 5, Ohio.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago, Ill.
Kelite Products, Inc., 1250 N. Main St., Los Angeles, Calif. (Steam.)
Livingstone Engineering Co., Worcester, Mass.
Magnus Chemical Co., 185 South Ave., Garwood, N. J. (Steam guns.)
Malsbary Mfg. Co., 845 92nd Ave., Oakland 3, Calif. (Steam.)
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo. (Steam.)
Oakite Products, Inc., 19 Rector St., New York 6, N. Y. (Steam Guns, Sprayers.)
Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn. "Kleer Flo."
Quick Charge, Inc., 1750 N. E. Tenth St., Oklahoma City 4, Okla. "Quick Steam." (Steam.)
Sellers Injector Corp., 1600 Hamilton St., Philadelphia 30, Pa.
Siebring Mfg. Co., 182 Main St., George, Iowa. (Steam.)
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Texas.
Turbo Machine Co. (Div. of Dexdale Hosiery Mills), 840 W. Main St, Lansdale, Pa. (Steam.)
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
Vapor Car Heating Co., 4501 W. 16th St., Chicago, Ill.

CLEANERS, Hand

Banite Co., Banite Bldg., Buffalo 4, N. Y.

CLEANERS, Metal

(Compound for cleaning and preparing surfaces for painting; see also Solvents, Oil, Carbon, Grease and Detergents)

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich.
Aldridge Chemical Oils, Inc., 3401 W. 140th St., Cleveland 11, Ohio. "Beacon Brand."
Alumilene—See Fischer Industries, Inc.
American Chemical Paint Co., Brookside Ave. & Reading R. R., Ambler, Pa. "Deoxidine." "Ridoline" & "Ridosol."
Anti-Rust Corp., 315 E. 91st St., New York, N. Y. "Rozene."
Bruce Products Corp., 500 N. West St., Howell, Mich. "Bruko."
Buchanan Chemical Co., C. G., 4640 Baker Rd., Cincinnati 12, Ohio. "Bu-Co."
Calcine Chemical Co., P. O. Box 61, H. C. Station, Jersey City, N. J. "Calsol."
Carbide & Carbon Chemicals Co. (a Div. of Union Carbide & Carbon Corp.), 30 E. 42nd St., New York 17, N. Y. "Tergitol."
Cee-Bee Chemical Co., 9520 Ceebee Drive, Downey, Calif.
Champion Products, Inc., P. O. Box 291, Stephenville, Texas.
Colonial Alloys Co., Ridge Ave. & Crawford St., Philadelphia 29, Pa.
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Dearborn Chemical Co., Merchandise Mart Plaza, Chicago 54, Ill.
Detrex Corp., Box 501, Detroit 32, Mich. "Detrex," "Perm-A-Clor," "Triad."
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4. Mich.
Diversey Corp., 1820 Roscoe St., Chicago 13, Ill.
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio. "Dyna Sprex," "Sprex AC."
du Pont de Nemours & Co., E. I., Electrochemicals Dept., Wilmington 98, Del.
du Pont de Nemours & Co., E. I., Grasselli Chemical Dept., du Pont Bldg., Wilmington 98, Del. "Duclean" (Alkaline and acid.)
Farrelloy Co., 1243 N. 26th St., Philadelphia 21, Pa.
Fine Organics, Inc., 211 E. 19th St., New York 3, N. Y.
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio.
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "Soax."
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Hanson-Van Winkle-Munning Co., Matawan, N. J. "Matawan."
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio.
Homestead Valve Mfg. Co., Hypressure Jenny Div., Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny."
Hooker Electrochemical Corp., 4746 Buffalo Ave., Niagara Falls, N. Y. "Virgo."
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "Houghto Clean," "Cerfak."
Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industro," "Phosmul," "Prezaint."
Kelite Products, Inc., 1250 N. Main St., Los Angeles 54, Calif.
Klem Chemicals, Inc., 14401 Lanson St., Dearborn, Mich.
Lake Erie Mfg. Co., 192 Chicago St,. Buffalo, N. Y. "Lemco."
Lavo Co. of America, 300 W. Seventh St., Milwaukee 3, Wis. "Mirifik."
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Metal Wash Machinery Corp., 901 N. Ave., Elizabeth, N. J.
Mitchell-Bradford Chemical Co., 2446 Main St., Stratford, Conn.
Neilson Chemical Co., 6564 Benson St., Detroit 7, Mich. "Alumiprep."
Northwest Chemica Co. 9310 Roselawn Ave., Detroit 4, Mich. "Alkalume," "Northwest."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Parker Rust Proof Co., 2177 E. Milwaukee Ave., Detroit 11, Mich. "Parcolene," "Parco."
Penetone Co., 74 Hudson Ave., Tenafly, N. J. "Penesolve."
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa. "Penn Drake."
Pennsylvania Salt Mfg. Co., 456 Widener Bldg., Philadelphia 7, Pa. "Pennsalt."
Philadelphia Quartz Co., 1146 Public Ledger Bldg., Sixth & Chestnut Sts., Philadelphia 6, Pa. "Metso 66."
Quick Charge, Inc., 1750 N. E. 10th St., Oklahoma City 17, Okla.
Rogers Paint Products, Inc., 8250 St. Aubin Ave., Detroit 11, Mich.
Rossaul Co., 170 Fifth Ave., New York 10, N. Y. "Rossaul No. 57."
Service Industries, 2103 E. Somerset St., Philadelphia 34, Pa.
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa. "Sun Spirits."
Turco Products, Inc., 6135 S. Central Ave., Los Angeles, Calif. "Turco Porokleen."
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis. "Krome-Kote."
Wyandotte Chemicals Corp., J. B., Ford Div., Wyandotte, Mich.

CLEANERS, Spark Plug

AC Spark Plug Div., 1300 N. Dort Highway, General Motors Corp., Flint 2, Mich.
Auburn Spark Plug Co., York St., Auburn, N. Y.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Champion Spark Plug Co., 904 Upton Ave., Toledo 1, Ohio.
Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee, Wis.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Handy."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Master Products Mfg. Co., 3480 E. 14th St., Los Angeles 23, Calif. "Twin-Jet."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

CLEANERS, STEAM, See Cleaners, Engine, Chassis and Fender

CLEANERS, TANK, See Washers, Metal Parts

CLIPS, Spring

Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo.

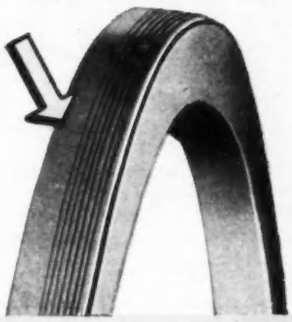
Fleet owners, maintenance men...

Here's 3 proven reasons why you save cash on chrome installations with

AMERICAN HAMMERED
Pre-seated Krome-Oil
PISTON RING SETS

1 Pre-seated for early break-in

Pre-seated, narrow land contact surface of Krome-Oil top groove compression ring



Pre-seating is a factory-applied lapping process equivalent to 300 to 500 miles of *actual* engine operation. This saves many hours per unit on the break-in stand, yet assures fast oil control and cash savings through reduced oil consumption.

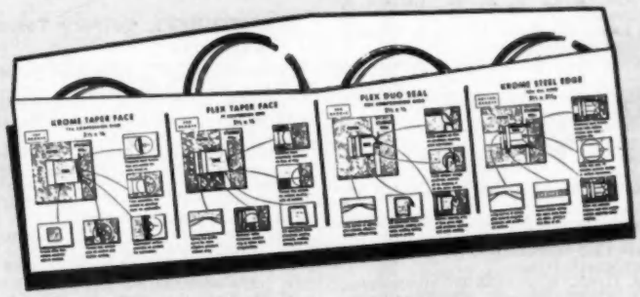
2 Full chrome ring set

Chrome where it pays off

There's chrome facing on the top groove compression ring and on the side rails of the steel oil ring. This is where chrome pays off in longer engine life. Krome-Oil rings lick the problem of ring scuffing and still assure quick seating and immediate oil control because they are pre-seated.

3 All-in-1 ring envelope

All-in-1 ring envelope, contains all the rings for one piston. They're packaged in this envelope in the order of installation. This prevents mix-ups, saves mechanic's time.



Install Krome-Oil, the chrome ring set with all the answers

American Hammered

AUTOMOTIVE REPLACEMENT DIVISION

2001 Sanford Street • Muskegon, Michigan

Manufacturers of American Hammered Automotive Replacement Piston Rings. A Division of Sealed Power Corporation

For the best in fleet maintenance remember American Hammered Power-Plus Service — Koetherizing • GI-60 Groove Insert • Dry Film Lubricant

CLIPS, Spring—*continued*

Clapp Mfg. Co., E. D., 305 W. Genesee St., Auburn, N. Y.
Cuyahoga Spring Co., 10230 Berea Rd., Cleveland 2, Ohio.
Davis Auto Equipment Co., 119 N. 3rd St., Reading, Pa.
Handy Button Machine Co., 2255 S. Rockwell St., Chicago 8, Ill. (Upholstery.)
Highland Machine Co., 3215 Superior Ave., Cleveland 14, Ohio.
Houser Engrg. & Mfg. Co., Bluffton, Ind.
Queen City Forging Co., Tennyson & Dumont Sts., Cincinnati 26, Ohio.
Seaboard Coil Spring Div. Associated Spring Corp., 15001 S. Broadway, Gardena, Calif.
Service Spring Co., Box 638, Indianapolis 6, Ind. "Hendrix."
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Woodworth, C. B., Corp., Greene, N. Y.

CLUTCHES

Accurate Parts Mfg. Co., 1600 S. Ashland Ave., Chicago 8, Ill.
Borg & Beck Div., Borg-Warner Corp., 6553 S. Menard Ave., Chicago 38, Ill. "B. & B."
Dynamatic Div. Eaton Mfg. Co., 3307 14th Ave., Kenosha, Wis. (Eddy current.)
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.
Lipe-Rollway Corp., 806 Emerson Ave., Syracuse 4, N. Y. (Heavy duty.)
Long Mfg. Div. Borg-Warner Corp., 12501 Dequindre St., Detroit, Mich.
Rockford Clutch Div., Borg-Warner Corp., 1319 18th Ave., Rockford, Ill. (Truck, tractor and bus.)
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Auburn," "Spicer Brown-Lipe." (Truck and bus.)

CLUTCH ALIGNMENT TOOLS, See Tools, Clutch Alignment

CLUTCH FACINGS, See Facings, Clutch

CLUTCH PARTS, See Parts, Clutch

CLUTCH PLATES, See Plates, Clutch

CLUTCH REBUILDING MACHINES, See Machines, Clutch Rebuilding

COCKS, Pet, Drain, Gasoline, Air, etc.

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y. (Drain.)
American Brass & Iron Co., 6500 Georgia Ave., Detroit 11, Mich.
Anderson Brass Co., 5303 12th St., Detroit 8, Mich.
Commonwealth Brass Corp., 5835 Commonwealth Ave. & G. T. R. R., Detroit 8, Mich. (Drain.)
Consolidated Brass Co., Summit Ave. & Wabash Ry., Detroit 9, Mich.
Dole Valve Co., 1901 Carroll Ave., Chicago 12, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill.
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago, Ill.
Lincoln Brass Works, 2067 12th St., Detroit 16, Mich.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md.
Lunkenheimer Co., Beekman St. & Waverly Ave., Cincinnati, Ohio.
Nauman Mfg. Corp., R. F., 525 Michigan Ave., Buffalo 3, N. Y. "Naco." (For Chevrolet, Pontiac cars, etc.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Roberts Brass Mfg. Co., Box 307, Mitchell, Ind.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

COILS, Ignition

American Bosch Div. American Bosch Arms Corp., 3664 Main St., Springfield 7, Mass.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Crowley & Co., Henry L., 1 Central Ave., West Orange, N. J.
Crumbliss Mfg. Co., 3011 N. Cicero Ave., Chicago 41, Ill.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electric Auto-Lite Co., Toledo, Ohio. "Auto-Lite."
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Regular and high speed.)
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Griswold Co., Lancaster Pike, Devon, Pa.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Holley Carburetor Co., 11955 E. Nine Mile Rd., Van Dyke, Mich.
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. "Illaco."
Kem Mfg. Co., 20-21 Dagaraw Rd., Fairlawn, N. J.
M. D. Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles 1, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallory Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
O.S.M. Electric Corp., 6209 Hamilton Ave., Detroit 2, Mich.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y. "P.P.P."
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sorenson Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, N. Y. "Blue Streak," "Standard."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill. "K-W."
Tasco Products, Inc., 199 Vermont St., Brooklyn 7, N. Y.
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J.
United Motors Service, General Motors Bldg., Detroit, Mich.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. "Wells," "Super Go."

COIL TESTERS—See Instruments, Electrical Circuit Testing

COMBUSTION ANALYZERS—See Analyzers, Combustion

COMPOUNDS, Battery Terminal Anti-Corrosive

Allube Corp., 928 Allen Ave., Glendale 1, Calif.
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y. "Arsco Anti-Korode."
Champion Products, Inc., P. O. Box 291, Stephensville, Tex.
Gould-National Batteries, Inc., Industrial Div., 467 Calhoun St., Trenton 7, N. J.
Noco Co., 2074 E. 65th St., Cleveland 3, Ohio.
Pep Mfg. Co., 33 W. 42nd St., New York, N. Y. "Krode Kure."
Radiator Seal Co., 120 Stutsman St., Council Bluffs, Iowa. "Non-Kr-O-Sinc."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis.

COMPOUNDS, Brake Bonding

Ciba Co., 627 Greenwich St., New York 14, N. Y.
Dura-Bond, Inc., 1355 N. Main St., Ann Arbor, Mich.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Permafuse Corp., 675 Main St., Westbury, N. Y.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Rex-Hide Brake Lining Co., 67 Glenwood Pl., East Orange, N. J.

COMPOUNDS, CAR WASHING, See Detergents, Car Washing and Soaps, Car Washing

COMPOUNDS, Crankcase Sludge Removing

Alox Corp., 70 Pine St., New York 5, N. Y.
Castor Oil Products, Inc., 145 Alexander St., Yonkers 2, N. Y. "Trizol."
Celco Corp., 110 E. 42nd St., N. Y. 17, N. Y.
Champion Products, Inc., P. O. Box 291, Stephensville, Tex.
Curran Corp., S. Canal St., Lawrence, Mass.
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Mototuner."
Emerol Mfg. Co., 242 W. 69th St., New York 23, N. Y. "Marvel Hi-Rev."
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Fine Organics, Inc., 211 E. 19th St., New York 3, N. Y.
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "Soax."
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Gulf Oil Corp. (Gulf Refining Co.), 1822 Gulf Bldg., Pittsburgh 30, Pa. "Gulf Motor Flush."
Gunk Chicago Co., 630 N. Harlem Ave., River Forest, Ill.
Hollingshead Corp., R. M., Ninth & Cooper Sts., Camden, N. J. "Whiz."
Lubaid Co., 155 E. Kilborn St., Milwaukee 1, Wis. "Lubaid T."
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Magnus 755."
Moly Motors Products, 1155 Broadway, New York, N. Y.
National Refining Co., Standard Bldg., Cleveland 1, Ohio. "Enarco-Solv."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Pennsylvania Refining Co., Gumont Div., 2686 Lisbon Rd., Cleveland 4, Ohio.
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Loosite."
Quaker Oats Co., Chemical Div., Chicago, Ill. "Furfural."
Radiator Specialty Co., 1722 Dowd Rd., Charlotte 1, N. C. "3 in 1 Nu-Power."
Randall Products Mfg. Co., 2095 Broadway, New York 23, N. Y. "Motor-Kleen."
Rust Master Chemical Corp., 712 Beacon St., Cambridge, Mass. "Six Master."
V-O Mfg. Co., 13165 Sherman Way, North Hollywood, Calif.
White & Bagley Co., 100 Foster St., Worcester 8, Mass.

COMPOUNDS, Metal Testing

(To visually locate cracks, flaws or porosity in metal)

K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Magnaflux Corp., 7300 W. Lawrence Ave., Chicago 31, Ill. "Spotcheck" dye.
Turco Products, 6135 S. Central Ave., Los Angeles 1, Calif.

COMPOUNDS, Radiator & Block Repair

du Pont de Nemours & Co., E. I., Finishes Div., Chemical Specialties Sales, Wilmington 98, Del. "No. 7."
Goodrich Co., B. F., 500 S. Main St., Akron, 18, Ohio. (Capsules.)
Hollingshead Corp., R. M., 840 Cooper St., Camden 2, N. J. "Whiz."
K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Lusco Inc., 5915 Bonna, Cleveland, Ohio.
Miller Mfg. Co., 1100 N. 32nd St., Camden 5, N. J. "Wonder Seal," "Wonder Weld."
Permatex Co., 1720 Ave. Y, Brooklyn 35, N. Y. "Form-A-Weld," "Indian Head," "Permatex."
Producers, Ltd., 915 Fowler Ave., Evanston, Ill. "Thurmo Stop Leak."
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill. "Pure-Sure."
Sinclair Refining Co., 630 Fifth Ave., New York, N. Y.
Socony Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil Stop Leak."
Stanley Co., John T., 642 W. 30th St., New York 1, N. Y. "Mobo."
Tincher Products Co., 800 Borden Ave., Sycamore, Ill.
Versnick Mfg. Co., 4700 E. Nevada St., Detroit 34, Mich. "Versnick Met-L-Seal."

COMPOUNDS, RADIATOR RUST PREVENTING, See Rust Preventatives, Cooling System

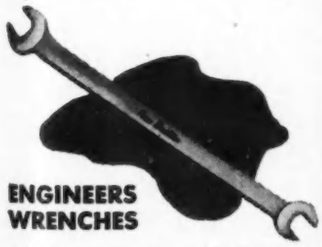
The TOOLS Mechanics Choose for Today's REPAIRS and Better SERVICE

SOCKETS

The famous New Britain top quality thin wall Sockets . . . fit easily into tight spots on modern motors. ¼", ⅜", ½" and ¾" Drives in all needed openings. Triple plate, chrome finish.

REVERSIBLE RATCHETS

Sturdiest, smoothest Ratchets made. Exclusive double pawl mechanism gives extra strength without bulk. Streamlined head gets into confined spots easily. ¼", ⅜", ½" and ¾" Drives.



ENGINEERS WRENCHES

Thin, strong, balanced Wrenches, forged of finest alloy steel. Open End, Box, Tappet and Combination styles in all sizes.

The New Britain Line has set a world standard in Tool Quality for many years. Naturally, these great Tools have the precise fit, perfect balance and great turning power modern repair work demands . . . slim, trim, but powerful Socket Wrenches and streamlined Drive Parts — all of the finest alloy steel, heat treated to the peak of rugged perfection and glistening, triple plate, chrome finish. New Britain offers in this complete Line not alone the basic Tools shown, but hundreds of specialized Tools that get mechanics into and out of tight corners and difficult spots on modern engines and equipment. Ask for complete Catalog No. 58.

Shown above is a magnificent New Britain Set #6151T with every basic Tool any professional mechanic will ever need. All 151 Tools contained in a sturdy steel Kit with hinged top and removable trays. Ask about it and the many other New Britain Sets that can be tailored to your particular needs.

REAMERS, PILOTS AND HONES

New Britain Tools afford a complete selection of individual Tools and Sets for reaming or honing bushing of 15/32" diameter to cylinders 8" in diameter.

VALVE LIFTERS

Available in sizes and types to service all makes and models of passenger cars, trucks, buses and tractors.

STUD EXTRACTORS

Modern design Tools for retracting or setting studs. Slip-proof design with milled jaws. Made in ⅜" and ½" Square Drive — capacities ¼" to ¾".

New Britain HAND TOOLS

THE NEW BRITAIN MACHINE CO.
NEW BRITAIN, CONN.

COMPOUNDS, Rubbing and Polishing

Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Beckwith-Chandler Co., Delancey & Rutherford Sts., Newark, N. J. "B/C."
Belvidere Laboratories, 700 W. Locust St., Belvidere, Ill. "Speedite."
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Brolite."
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Colorglo Products, Inc., 109 N. Newlin Ave., Whittier, Calif.
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
du Pont de Nemours & Co., E. I., Finishes Div., Chemical Specialties Sales, du Pont Bldg., Wilmington 98, Del. "No. 7."
du Pont de Nemours & Co., E. I., Finishes Div., Refinish Sales, Wilmington 98, Del. "Duco."
Formax Mfg. Co., 3171 Bellevue St., Detroit 7, Mich.
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Goodison Mfg. Co., Rochester, Mich.
Hollingshead Corp., R. M., Ninth & Cooper Sts., Camden, N. J. "Whiz."
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Ken-nite Co., 2926 Hancock Ave., W., Detroit 8, Mich.
Lee Polish Mfg. Co., 1399 Utica Ave., Brooklyn 3, N. Y.
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Lucote."
Mac's Super Gloss Co., 6040 N. Figueroa St., Los Angeles 42, Calif.
Martin-Senour Co., 2520 Quarry St., Chicago 8, Ill.
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich.
Rogers Paint Products, Inc., 8250 St. Aubin Ave., Detroit 11, Mich.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Simoniz Co., 2100 Indiana Ave., Chicago 16, Ill. "Simoniz" (Polishing; "Simoniz Kleener" & "Lacker Rubb," rubbing.)
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio.
Stain-Ox Co., 625 E. First Ave., Roselle, N. J.
Swavely Chemical & Varnish Works, 831 Page St., Flint 5, Mich. "Smooth Glaze."
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Warehouse Distributors Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

COMPOUNDS, Tire Repair

Better Monkey Grip Co., 5320 Harry Hines Blvd., Dallas 2, Tex. (Sole distributors, Monkey Grip Sales Co., 5320 Harry Hines Blvd., Dallas 2, Tex.)
Even-Air Corp., Caldwell, N. J.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Hollingshead Corp., R. M., Ninth & Cooper Sts., Camden, N. J.
Lee Rubber & Tire Corp., Conshohocken, Pa.
Liquid Veneer Corp., Urban & Kehr Sts., Buffalo 11, N. Y.
United States Rubber Co., Rockefeller Center, Ave. of the Americas, New York 20, N. Y.
Van Cleef Bros., Woodlawn Ave., 77th to 78th St., Chicago, Ill. "Dutch Brand."

COMPOUNDS, Valve Grinding

Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Boyer Chemical Laboratories, 2232 S. Wabash Ave., Chicago, Ill. "3B."
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite." "Fidelity."
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Harrison & Co., P. O. Box 457, Haverhill, Mass. "4A."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
Pep Mfg. Co., 33 W. 42nd St., New York, N. Y.
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y.
Purfex Mfg. Co., Box 118, Collegeville, Pa.
Zip Abrasive Co., 1360 W. Ninth St., Cleveland 13, Ohio.

COMPOUNDS, Welding

Dolphin Paint & Varnish Co., 922 Locust St., Toledo 3, Ohio. "Dolfinite."
Ensign Products Co., 3528 E. 76th St., Cleveland 15, Ohio.
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn. "Marquette Spatter-Shield."
Midland Paint & Varnish Co., 3801 E. 91st St., Cleveland 5, Ohio. "No-Spat." (To prevent bonding of spatter to parts.)
Wayne Chemical Products Co., Copeland Ave. & M.C.R.R., Detroit, Mich. ("Flash-Ex," to prevent bonding of flash to dies; "Spatter-Ex," to prevent bonding of spatter to parts.)
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis. "Anti-Spatter." (To prevent bonding of spatter to parts.)

COMPOUNDS, Windshield Sealing

Behr-Manning, Div. Norton Co., Troy, N. Y.
Dolphin Paint & Varnish Co., 922 Locust St., Toledo 3, Ohio. "Dolfinite."
du Pont de Nemours & Co., E. I., Finishes Div. Specialties Sales, Wilmington 98, Del. "No. 7."
Krylon Inc., 1422 Chestnut St., Philadelphia 2, Pa. "Sealzit."
Permatex Company, Inc., 1702 Avehue Y, Brooklyn 35, N. Y.

COMPRESSION GAGE, See Gages, Cylinder Compression

COMPRESSORS, Air

Air-Flo Compressor Co., 1095 S. Arlington St., Akron 6, Ohio.
American Air Compressor Corp., Dell Ave. & 48th St., North Bergen, N. J. "American Fairhurst."
American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y. "Kellogg-American."
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill. (For operating spray equipment.)
Black Mfg. Co., 201 Second St., Harrison, N. J.
Brown Corp., W. R., 2701 N. Normandy Ave., Chicago 35, Ill.
Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.
Buell Mfg. Co., 919 W. 49th Place, Chicago 9, Ill.
Campbell-Hausfeld Co., 211 Railroad Ave., Harrison, Ohio. "Pressure Maid." "Pressure Princess," "Pressure Queen," "Tankmobile."
Champion Pneumatic Machinery Co., 825 N. Pleasant St., Princeton, Ill.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP."
Cochin Mfg. Co., J. D., 1440 E. Grand Ave., South San Francisco, Cal. "Easy."
Copeland Refrigeration Corp., Chilton St., Sidney, Ohio.
Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1927 Kienlen Ave., St. Louis, 20, Mo.
Davey Compressor Co., 600 Franklin Ave., Kent, Ohio.
Dayton Air Compressor Co., 427 Valley St., Dayton 4, Ohio.
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
De Vilbiss Co., 300 Phillips Ave., Toledo 1, O.
Electric Sprayit Co., 14th & Illinois Sts., Sheboygan, Wis. "Elsco." "Wilmington."
Erie Meter Systems, Inc., 1602 Wagner Ave., Erie, Pa.
Gardner-Denver Co., S. Front St., Quincy, Ill.
Gast Mfg. Corp., 146 Water St., Benton Harbor, Mich.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
H & H Products Mfg. Co., P. O. Box 2333 Terminal Annex, Los Angeles 54, Calif.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keystone Compressor Co., 8407 Hegerman St., Holmesburg, Philadelphia 36, Pa.
Le Roi Co., 1706 S. 68th St., Milwaukee 14, Wis.
Lynch Corp., Par Compressor Div., Crystal & Ames St., Anderson, Ind. "Par."
M. & E. Mfg. Co., 2571 Winthrop Ave., Indianapolis 6, Ind.
Midland Steel Products Co., 2641 E. Milwaukee Ave., Detroit 11, Mich.
National Electric Tool & Equipment Co., 1807 W. Lake St., Chicago 12, Ill.
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Pioneer Air Compressor Co., 120 Chambers St., New York, N. Y.
Power Brake Parts Mfg. Co., 8060 Wheeler Ave., Detroit 10, Mich.
Quincy Compressor Co., 217 Maine St., Quincy, Ill.
Saylor-Beall Mfg. Co., St. Johns, Mich.
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Scott Air Compressor Co., 4682 Mulberry St., Philadelphia 24, Pa.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Cal.
Southwest Pump Co., First and Center Sts., Bonham, Tex.
Tokheim Oil Tank & Pump Co., 1602 Wabash Ave., Fort Wayne 1, Ind. (Portable)
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Wayne Pump Co., Salisbury, Md.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.
Westinghouse Air Brake Co., 1934 Herman Ave., Industrial Products Div., Wilmerding, Pa.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

COMPRESSORS, Air, Power Take-off Type

Cooper-Bessemer Corp., Mount Vernon, Ohio.
Davey Compressor Co., 600 Franklin Ave., Kent, Ohio. (Truck)
Power Brake Parts Mfg. Co., 3435 S. Racine Ave., Chicago 8, Ill.
Schramm, Inc., West Chester, Pa.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

CONDENSER TESTERS, See Instruments, Electrical Circuit Testing

CONDENSERS, Ignition

American Bosch Corp., 3664 Main St., Springfield 7, Mass.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electric Auto-Lite Co., Toledo, Ohio. "Auto-Lite."
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Holley Carburetor Co., 11955 E. Nine Mile Rd., Van Dyke, Mich.
Kem Mfg. Co., 20 Wagaraw Rd., Fair Lawn, N. J.
M. D. Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallory Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa. "Nyco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill
P & D Mfg Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Paragon Products Corp., 140 Astor St., Newark 5, N. J. (Sole distributors, Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Shurhit Products, Inc., Waukegan, Ill.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Sprague Electric Co., 344 Marshall St., North Adams, Mass.

CRANES, Portable—*continued*

Manley Div. American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Manzel, Inc., 315 Babcock St., Buffalo 10, N. Y. (Hydraulic.)
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn. "Ohio."
Round & Son, David, Box 883, Cleveland 22, Ohio.
Ruger Equipment, Inc., 615 W. 4th St., Uhrichsville, Ohio.
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.
Star Machine & Tool Co., 201 Sixth St., S.E., Minneapolis 14, Minn.
Unit Mfg. Co., 1229 Harmon Pl., Minneapolis 3, Minn.

CRANES, Service Truck

Ashton Power Wrecker Equipment Co., Inc., 1701 W. Lafayette, Detroit 16, Mich.
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Blue Heron."
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio. (Fifth wheel mount.)
Gar Wood Industries, Inc., Wayne, Mich.
Heil, Jack, 2118 N. Wayne Ave., Chicago 14, Ill.
Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio. "Hitco."
Hubbard Mfg. Co., Farmland, Ind.
Manley Mfg. Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Marquette Mfg. Co., Inc., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Ruger Equipment, Inc., 615 W. 4th St., Uhrichsville, Ohio. (Hydraulic.)
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Unit Mfg. Co., 1229 Harmon Pl., Minneapolis 3, Minn.

CRANKSHAFT, GRINDERS, See Grinders, Crankshaft

CREEPERS, Mechanic

Adams Co., Parks M., 640 Mylander Lane, Towson 4, Md. "Champion."
Balcrank, Inc., Disney St. nr. Marsburg, Cincinnati, Ohio. "Brookins."
Clinton Products Co., 290 Tecumseh Rd., Clinton, Mich. "Geiger."
Huffman Mfg. Co., Automotive Div., P. O. Box 69, Delphos, Ohio. (Metal, also wood.)
Kay-Wood Products, Inc., Bedford, Pa. (Wood.)
MIT Industries, Inc., 65 Herkimer Place, Brooklyn, N. Y. "Caterpillar."
Market Forge Co., 25 Garvey St., Everett, Mass. "Maforco."
P. & B. Specialties Co., 531 N. 2nd St., Philadelphia 23, Pa. "Garage Master," "Hercules," "Pioneer," "Pioneer Jr."
R & L Mfg. Co., 1945 N. 12th St., Toledo 1, Ohio. (Sole distributors, Lisle Corp., 809 E. Main St., Clarinda, Iowa.)
Smash-Proof Co., 6000 State Ave., Ashtabula, Ohio. "Smash-Proof" (with or without brake), "Red Head."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

CUSHIONS, Seat, Rubber

Bostrom Mfg. Co., 133 W. Oregon St., Milwaukee 4, Wis.
Dunlop Tire & Rubber Corp., Sheridan Drive, Buffalo 7, N. Y. "Dunlop Pillo Foam."
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio. "Foamex."
General Seating Co., 220 Main St., Topton, Pa.
Goodyear Tire & Rubber Co., Akron 16, Ohio. "Airfoam."
Hewitt Restfoam Div., Hewitt-Robins, Inc., 240 Kensington Ave., Buffalo 5, N. Y.
Karpex Mfg. Co., 1436 E. 19th St., Indianapolis 7, Ind. (Truck.)
New York Rubber Corp., Airubber Div., 100 Park Ave., New York 17, N. Y.
Perma Seating Co., 8800 Kinsman Rd., Cleveland 4, Ohio.
Sponge Rubber Products Co., Howe Ave., Shelton, Conn. "Spongex."
Texelent Sales Corp., 206 Amsterdam Ave., New York, N. Y.
United States Rubber Co., U. S. Koylon Foam Div., Mishawaka, Ind. "U. S. Koylon."

CUSHIONS, Seat, Spring

Bostrom Mfg. Co., 133 W. Oregon St., Milwaukee 4, Wis.
Fort Pitt Mfg. Co., 1501 Preble Ave., N. S., Pittsburgh 33, Pa.
General Seating Co., 220 Main St., Topton, Pa.
Goshen Cushion & Body Co., N. Second St., Goshen, Ind. "Better Built."
Perma Seating Co., 8800 Kinsman Rd., Cleveland 4, Ohio.
Young Spring & Wire Corp., L. A., 9200 Russell St., Detroit 11, Mich.

CUTTERS, Tubing, Hand

Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich.
Capewell Mfg. Co., 60 Governor St., Hartford 2, Conn. "Armstrong-Bridgeport."
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Erco." (Hand power.)
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Herbrand Div. Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Kennedy Service Tools, Inc., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Miller Co., L. B., 394 State St., Stamford, Conn.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., Hand Tools Div., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Parker Appliance Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Penn Brass & Copper Co., Powell Ave., Erie, Pa. "Papco."
Quality Tools Corp., Railroad St., New Wilmington, Pa.
Reed Mfg. Co., 1425 W. Eighth St., Erie, Pa. (Pipe).
Rinck-McIlwaine Inc., 16 Hudson St., New York 13, N. Y.

CYLINDER DE-GLAZERS, See De-Glazers, Cylinder
CYLINDER HONES, See Hones, Cylinder
CYLINDER, LINER, See Sleeves, Cylinder
CYLINDER LUBRICATORS, See Lubricators, Upper Cylinder
CYLINDER REBORING TOOLS, See Tools, Cylinder Reboring (Portable)
CYLINDER RIDGE REAMER, See Reamers, Cylinder Ridge

DECALCOMANIAS

American Decalcomania Co., Inc., 4326 5th Ave., Chicago 24, Ill.
Dicks Co., C. O., 8544 Grand River, Detroit 4, Mich.
Excello Specialty Co., 4111 E. 100 St., Cleveland 5, Ohio.
Jaco-Lac Decal Co., 234 S. Wells, Chicago 6, Ill.
Meyercord Co., 5323 W. Lake St., Chicago 44, Ill.
Palm Bros. Decalcomania Co., 3736 Regent St., Cincinnati, Ohio.
Palm, Fechteler Co., 85-99 Maple St., Weehawken, N. J.
Permalux Co., 500 Rathbone Ave., Aurora, Ill.
Screenmasters, 128 32nd St., Brooklyn 32, N. Y.

DECELEROMETERS, See Meters, Brake Testing

DEFROSTERS, Glass Shield

Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Henry Mfg. Co., 421 5th Ave. So., Minneapolis, Minn.
Western Cable & Light Co., 395 Sibley St., St. Paul, Minn.

DEFROSTING FANS, See Fans, Defrosting

DEGASSERS, Bus

Fageol Co., R. D., 5725 Mt. Elliott Ave., Detroit 11, Mich.

DE-GLAZERS, Cylinder

Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Storm-Vulcan Inc., 2225 Burbank St., Dallas 19, Tex.
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

DEGREASERS, See Washers, Metal Parts
DEGREASING COMPOUNDS, See Solvents, Oil, Carbon and Grease Removing

DEPRESSORS, Brake Pedal

Bear Mfg. Co., 21st & Fifth Ave., Rock Island, Ill.
Eis Automotive Corp., Middletown, Conn.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Manbee Equipment, Div. of Bear Mfg. Co., 185 N. Wabash Ave., Chicago 1, Ill.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Robison Air Jack Co., 2345 Jerrold Ave., San Francisco 24, Calif.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Waterloo Valve Spring Compressor Co., 300 Ansborough Ave., Waterloo, Iowa. "Little Wonder."

DERRICKS, See Cranes, Service Truck

DETERGENTS, Washing

Advance Century Mfg. Co., P. O. Box 781, Greenville, S. C.
Atomix, Inc., Box 486, Wilmington 99, Del. "Atolak."
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill. "Flare."
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn.
Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Dirt Buster."
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif.
Colorglo Products, Inc., 109 N. Newlin Ave., Whittier, Calif.
Commercial Solvents Corp., 260 Madison Ave., New York 17, N. Y. "Nor'way."
Crystal Soap & Chemical Co., 6300 State Road, Philadelphia 35, Pa. (Soap.)
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Gently."
Detrex Corp., 14331 Woodrow Wilson Ave., Detroit 32, Mich. "Drex-Foam."
Drew Co., E. F., 15 E. 26th St., New York, N. Y. "Ameroid."
du Pont de Nemours & Co., E. I., Chemical Specialties Div., Wilmington, Del. "No. 7."
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio. "Abbolene," "Fleet Kleen."
Harley Soap Co., Pierce & Orthodox Sts., Philadelphia 37, Pa. "Harco."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
International Metal Polish Co., 1910 Quill St., Indianapolis 7, Ind. "Blue Ribbon."
Jones Products, Inc., 276 Third St., Cambridge 42, Mass. "X-100."
Kelite Products, Inc., 1250 N. Main St., Los Angeles, Calif.
Las-Stik Mfg. Co., Wayne & B Sts., Hamilton, Ohio.
Lavo Co. of America, 300 N. Seventh St., Milwaukee 3, Wis.
Lusk Co., C. F., 5918 Bonna Ave., Cleveland, Ohio.
Mac's Super Gloss Co., 6040 N. Figueroa St., Los Angeles 42, Calif.
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Magnuson Products Corp., 50 Court St., Brooklyn, N. Y. "Permag."
Master Specialty Co., 3016 E. Lake St., Minneapolis 6, Minn. "Wash-Master."
Miller Mfg. Co., 1100 N. 32nd St., Camden, N. J. "Washettes." (Capsules.)
Motor Kool Products Co., 505 Buttles Ave., Columbus 8, Ohio. "M-K Washrite."
Murphy-Phoenix Co., Div. of Phoenix Oil Co., 9505 Cassius Ave., Cleveland 5, Ohio.
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Oronite Chemical Co., 38 Sansome St., San Francisco 4, Calif.

DETERGENTS, Washing—*continued*

Penetone Co., 74 Hudson Ave., Tenafly, N. J. "Penesolve."
Permo Products Co., 1629 Platte St., Denver 2, Colo.
Puritan Co., 961 Lyell Ave., Rochester 6, N. Y.
Seller Injector Corp., 1600 Hamilton St., Philadelphia 30, Pa.
Service Industries, 2103 E. Somerset St., Philadelphia 34, Pa. "PN 700."
Service Supply Co., 1115 Seventh St., Denver, Colo. "Shamo."
Shur-Gloss Mfg. Co., 3536 N. Knox Ave., Chicago 41, Ill. "Shur Wonder-Wash."
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Sovasuds Car Wash."
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio.
Stanley Co., John T., 642 W. 30th St., New York 1, N. Y. "Mobo," "Protol."
Tudor Chemical Specialties, Inc., 141 Woodworth Ave., Yonkers 2, N. Y. "Quickee."
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
U. S. Chemical & Supply Co., 918 E. Fifth St., Kansas City 6, Mo. "Z-4."
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Por-Cel-Seal."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich.
"X" Laboratories, Inc., 25 W. 45th St., New York 36, N. Y. "X-Karwash."
Zecol, Inc., 3270 S. Third St., Milwaukee 7, Wis.

DIAL GAGES, See Gages, Dial
DIESEL ENGINES, See Engines, Diesel
DIESEL ENGINE FUEL FILTERS, See Filters, Diesel Fuel
DIESEL EQUIPMENT TESTERS, See Testers, Diesel Equipment
DIESEL FUEL, See Fuels, Engine
DIESEL INJECTOR EQUIPMENT, See Injector Systems, Gasoline & Diesel Engine
DIFFERENTIAL CLEANERS, See Flushers, Differential and Transmission

DIFFERENTIALS

Automotive Gear Works, Inc., Eighth & S. O. Sts., Richmond, Ind. "Double Diamond."
Cook Bros. Equipment Co., 3334 San Fernando Rd., Los Angeles 65, Calif. (Chain drive and double reduction.)
Detroit Automotive Products Corp., 8701 Grinnell Ave., Detroit 13, Mich. "No Spin." (Automatic locking for trucks.)
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Dualoc Drive, Inc., 700 20th St., Rockford, Ill.
Fairfield Mfg. Co., State Rd. #52, Lafayette, Ind.
Gear & Forge Div. of Clark Equipment Co., Horton & Tyson Sts., Jackson, Mich. (Truck.)
New Process Gear Co., 500 Plum St., Syracuse, N. Y.

DIMMER, Headlight, Electronic

Guide Lamp Div., General Motors Corp., Anderson, Ind.

DIRECTIONAL SIGNAL SWITCHES, See Switches, Direction Indicating Signal
DIRECTIONAL SIGNALS, See Signals, Direction Indicating

DISCS, Abrasive Grinding

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa.
Armour & Co., Curled Hair & Coated Abrasives Div., N. Benton Rd., Alliance, Ohio.
Bay State Abrasive Products Co., 12 Union St., Westboro, Mass.
Behr-Manning Corp., 1354 Seifert St., Troy, N. Y.
Beslev-Welles Corp., 20 N. Wacker Drive, Chicago 6, Ill.
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y. (Also sanding pads.)
Clover Mfg. Co., Norwalk, Conn.
Field Abrasive Mfg. Co., 14 N. Patterson Blvd., Dayton 2, Ohio.
Gardner Machine Co., 444 E. Gardner St., Beloit, Wis
Mid-West Abrasive Co, 510 S. Washington St., Owosso, Mich.
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn.
Norton Co., 1 New Bond St., Worcester 6, Mass.
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Simonds Abrasive Co., Tacony & Fraley Sts., Philadelphia 37, Pa.

DISPENSERS, GREASE, See Lubricators, Portable (High Pressure)

DISSIPATORS, Energy, Brake Auxiliary

Warner Electric Brake Mfg. Co., P. O. Box 620, Beloit, Wis.

DISTRIBUTOR PARTS, See Parts, Magneto, Coil and Distributor

DISTRIBUTORS, Ignition

Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite."
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Holley Carburetor Co., 11955 E Nine Mile Rd, Van Dyke, Mich.
Mallory Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich. (Also combination governor and distributor.)
Master Parts Div. Airtex Products, Inc., Fairfield, Ill.
Paragon Products Corp., 140 Astor St., Newark 5, N. J.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.

DISTRIBUTOR TESTING INSTRUMENTS, See Instruments, Distributor Testing

DOLLIES, Axle

Bacharach Industrial Instrument Company, 7000 Bennett, Pittsburgh 8, Pa.
Saginaw Products Corp., 68 Williamson St., Saginaw, Mich. (Trailer.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. (Rear.)

DOLLIES, Truck Wheel

Alexander-Tagg Industries, Inc., Jacksonville Rd. & Summit Ave., Hatboro, Pa. "A T I."
Dixie Tallyho Inc., Fairburn, Ga. "Tirematic."
Franklin Co., Bernard, Hedley & Bath Sts., Philadelphia 37, Pa.
Geneva Metal Wheel Co., 191 Factory Row, Geneva, Ohio.
Globe Hoist Co., E. Mermaid Lane & Queen St., Philadelphia 18, Pa.
Immel Co., 502 N. Vermilion, Streator, Ill.
Melooz Mfg. Co., 4730 Avalon Blvd., Los Angeles, Cal.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 31, Calif.
Schildmeier Co., H. C., 312 N. Senate Ave., Indianapolis 4, Ind. "Seal Line."
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

DOOR OPENERS, See Openers, Bus Door

DOORS, Overhead, Garage
(Advertisers Only)

Kinnear Mfg. Co., 2100-20 Fields Ave., Columbus 16, Ohio.

DOORS, Overhead, Truck and Trailer

Truk-A-Door Co., 2457 Woodward Ave., Detroit, 1, Mich.

DOORS, Truck, Steel

Kinnear Mfg. Co., 2100 Fields Ave., Columbus 16, Ohio. (Rolling.)
Kirk & Blum Mfg. Co., 2901 Indiana Ave., Chicago, Ill.
Truk-A-Door Co., 2457 Woodward Ave., Detroit 1, Mich. (Overhead.)

DRAINERS, Crankcase Oil, Portable and Rapid Type

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Berg-Gibson Mfg. Co., 817 E. 17th St., Kansas City 8, Mo. "B. & G."
Bishman Mfg. Co., Osseo, Minn. (Hand.)
Chisholm Industries, Inc., 109 Central Ave., Lynn, Mass. "C. & D."
Choldun Mfg. Corp., 331 East St., New Haven, Conn.
Lostro Inc., 2930 E. Highland Ave., Cincinnati 12, Ohio.
Quick Charge, Inc., 1750 N. E. Tenth St., Oklahoma City 4, Okla. "Quick Lube."
Smith Mfg. Corp., Grover, 805 E. Valley Blvd., San Gabriel, Calif.
Wherry Engrg. Co., 3229 Morganford Rd., St. Louis 16, Mo.

DRAIN PLUGS, Crankcase

Agner Simplex Co., 106 Pine St., Burlington, Wis. "Simplex."
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo. (Oversize.)
Chisholm Industries, Inc., Lynn, Mass.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Highland Machine Co., 3215 Superior Ave., Cleveland 14, Ohio.
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Houser Engng. & Mfg. Co., Bluffton, Ind. (Oversize.)
Inter-Continent Mfg. Co., 117 E. 13th St., Chicago 5, Ill.
Lisle Corp., 809 E. Main St., Clarinda, Iowa. (Magnetic.)
Magnetic Drain Plug Co., Wellington, Ohio. (Magnetic.)
Tourek Mfg. Co., J. J., 1901 S. Kilbourn Ave., Chicago 23, Ill.
U. S. Plug & Fitting Co., 1807 22nd St., N. E., Canton 5, Ohio. (Magnetic.)
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa. (Oversize.)
Weatherhead Co., 300 E. 131th St., Cleveland 8, Ohio.

DRESSERS, Grinding Wheel

Abrasive Dressing Tool Co., 14528 2nd Blvd., Detroit 3, Mich. "Red Line."
Acme Diamond Tool Co., 15 Maiden Lane, New York 38, N. Y.
Black & Decker Mfg. Co., 692 Pennsylvania Ave., Towson 4, Ind.
Carboloy Dept. General Electric Co., 11177 E. Eight Mile Rd., Detroit 32, Mich.
Desmond-Stephen Mfg. Co., 317 S. Walnut St., Urbana, Ohio.
Dessau Co., Maurice S., 535 Fifth Ave., New York 17, N. Y.
Diamond Drill Carbon Co., 53 Park Row, New York, N. Y.
Ex-Cell-O Corp., 1200 Oakman Blvd., Detroit 32, Mich.
Hanchett Mfg. Co., 906 N. State St., Big Rapids, Mich.
Industrial Diamond Co., 2392 Wolcott Ave., Ferndale 20, Mich.
J. & S. Tool Co., 477 Main St., East Orange, N. J. "Fluidmotion."
Koebel Diamond Tool Co., 9456 Grinnel Ave., Detroit 13, Mich. "Koebelite." (Diamond.)
Last Word Sales Co., 18500 Mt. Elliott Ave., Detroit 34, Mich.
Lee Co., K. O., Congress at First Ave., S. E. Aberdeen, S. D. "Knock Out."
Metal Carbides Corp., 107 E. Indianola Ave., Youngstown 7, Ohio. "Talide."
Moore Special Tool Co., 740 Union Ave., Bridgeport, Conn.
Pratt & Whitney Div., Niles-Bement- Pond Co., Charter Oak Blvd., W. Hartford, Conn. "Diaform."
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Ross Mfg. Co., 6210 Carnegie Ave., Cleveland 3, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Standard Diamond Tool Corp., 64 W. 48th St., New York, N. Y.

How many fares does a flat cost?

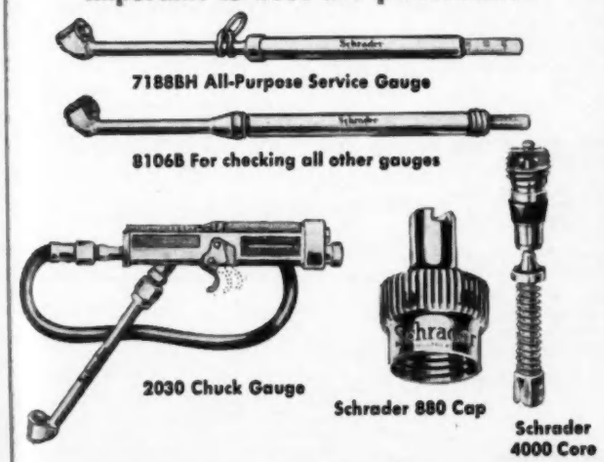
Every roadside delay means losing payload time . . . driver and maintenance dollars. Yet tire failure—the culprit causing most downtime losses—can be easily detected and corrected before the damage is done if you gauge and record the air pressure of all tires regularly. A slow leak is the warning signal of an impending flat. It can *only* be found early enough by accurate gauge readings.

You can certify the accuracy of gauging-inflating equipment with a Schrader 8106B Trutest Special Gauge. For regular tire inspections a Schrader 7188BH All-Purpose Service Gauge and 2030 Chuck Gauge are quality products you can rely on.

When tires, tubes and valves are found to be in good condition, *seal* in the air with tough, leakproof Schrader Valve Cores and Caps.

Your supplier has these Schrader Products on his shelves. Place your order today. . . . Stop tire trouble in the shop!

Schrader products important to best tire performance



Schrader
REG. U. S. PAT. OFF.

A. SCHRADER'S SON
Division of Scovill Manufacturing Company, Incorporated
470 Vanderbilt Avenue, Brooklyn 38, N. Y.

FIRST NAME IN TIRE VALVES

FOR ORIGINAL EQUIPMENT AND REPLACEMENT

8673

DRESSERS, Grinding Wheel—cont'd

Standard Tool Co., 3950 Chester Ave., Cleveland 14, Ohio.
Vincent Steel Process Co., 2424 Bellevue Ave., Detroit 7, Mich.
Vinco Corp., 9111 Schaeffer Highway, Detroit 28, Mich.
Wheel Trueing Tool Co., 3200 W. Davison Ave., Detroit 6, Mich. "Tru-Line," "Tru-Thread."

DRILL GRINDERS, See Grinder, Drill

DRILL PRESSES

Atlas Press Co., 1342 N. Pitcher St., Kalamazoo 13D, Mich.
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Cincinnati Lathe & Tool Co., Cincinnati 9, Ohio. "Canedy-Otto."
Dumore Co., 1300 17th St., Racine, Wis.
Leland-Gifford Co., 1001 Southbridge St., Worcester 3, Mass.
South Bend Lathe Works, 425 E. Madison St., South Bend 22, Ind.
Walker-Turner Div., Kearney & Trecker Corp., 639 South Ave., Plainfield, N. J.

DRILLS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md. "Holgun."
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Metalmaster."
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "Universal," "Hicycle" & "Supercycle."
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Cummins Portable Tools Div. Cummins-Chicago Corp., 4740 W. Ravenswood Ave., Chicago 40, Ill.
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Jones Motorola Corp., 432 Fairfield Ave., Stamford, Conn.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Kett Tool Co., 5 E. Third St., Cincinnati 2, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock-Out."
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill. "Mall Drill."
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5350 W. State St., Milwaukee 8, Wis.
Portable Elec. Tools, Inc., 320 W. 83rd St., Chicago 20, Ill. "Hi-Power," "Zephyr," "Super Duty."
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "SkilDrill."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Speed Way Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Stanley Electric Tool Div. of Stanley Works, 480 Myrtle St., New Britain, Conn. "Mighty Midget."
Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Div. Emerson Electric Mfg. Co., 1050 Findlay St., Cincinnati 14, Ohio. "U. S."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

DRILLS, Portable Pneumatic

Air-Speed Tool Co., 1502 W. Slawson Ave., Los Angeles 47, Calif.
Aro Equipment Corp., Bryan, Ohio.
Brown Tool Mfg. Co., 9422 Trenton Ave., St. Louis 14, Mo. "Solar."
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York 17, N. Y. "CP."
Cleveland Pneumatic Tool Co., 3781 E. 77th St., Cleveland, Ohio. "Cleco."
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill. "Ideal Air Horse."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Master Pneumatic Tool Co., 145 Peniman Rd., Orwell, Ohio "Master Power."
Rotor Tool Co., 23600 Lakeland Blvd., Cleveland 23, Ohio.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "SkilDrill."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

DRIVER TESTING EQUIPMENT, See Testers, Driver

DRIVERS, Bushing

Alvord-Polk Tool Co., 110 Gearhardt St., Millersburg, Pa. "Alpo." (Sets.)
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 801 S. Water St., Jackson, Mich.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis.
Indestro Mfg. Co., 2649 N. Kilare Ave., Chicago, Ill.
Mechanics Tool & Forge Co., Howard St., Sabina 1, Ohio. "Mac."
Miller Co., L. B., 394 State St., Stamford, Conn.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

DRUMS, Brake

Al-Fin Div., Fairchild Engine & Airplane Corp., Farmingdale, L. I., N. Y. (Aluminum fins bonded to cast iron.)
Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa. (Combination iron and steel.)
Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich. "Cannonite." (Sand cast.)
Copperweld Steel Co., Glassport Div., Glassport, Pa. (Pressed steel with copper fins.)
Crosby Co., 183 Pratt St., Buffalo, N. Y. (Pressed steel.)
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton, Ohio.
Erie Malleable Iron Co. (Automotive Wheel Div.), 609 W. 12th St., Erie, Pa. (Cast alloyed iron.)
Frank Foundries Corp., 2020 Third St., Moline, Ill. "Frankite."
Gunite Foundries Corp., 302 Peoples Ave., Rockford, Ill.
Homan & Co., 511 Reading Rd., Cincinnati 15, Ohio.
Hunt-Spiller Mfg. Corp., 383 Dorchester Ave., South Boston 27, Mass. "Hunt-Spiller Air Furnace Gun Iron." (For buses or trucks.)
Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Cal. "Kaloy." (For truck trailers.)
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. (Composite iron and steel.)
Marathon Foundry & Machine Co., 1212 West St., Wausau, Wis.
Motor Castings Co., 1323 S. 65th St., West Allis, Wis.
Reynolds Mfg. Co., 600 Prospect Ave., Springfield, Mo. "Reyco." (Specially alloyed iron.)
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky. (Specially alloyed iron.)
Transue & Williams Steel Forging Corp., 600 Ely St., Alliance, Ohio. (Pressed steel.)

DRYING LAMPS, See Lamps, Drying, Baking and Heating

DYNAMOMETERS, Chassis Testing

Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. (Hydraulic.)
Mid-West Dynamometer & Engineering Co., 3100 River Rd., River Grove, Ill. (Electric and hydraulic.)
Nankervis Co., George L., 19255 W. Davison Ave., Detroit 23, Mich.

DYNAMOMETERS, Engine Testing

Clayborne Mfg. Co., 429 N. Main St., Montecello, Ind.
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. (Hydraulic.)
Dynamatic Div. Eaton Mfg. Co., 3307 14th Ave., Kenosha, Wis. (Eddy current.)
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y. "G-E." (Electric.)
Link Engrg. Co., 13845 Elmira Ave., Detroit 27, Mich. (Electric.)
Mid-West Dynamometer & Engineering Co., 3100 River Rd., River Grove, Ill. (Electric and hydraulic.)
Nankervis Co., George L., 19255 W. Davison Ave., Detroit 23, Mich.
Taylor Dynamometer & Machine Co., 6411 River Parkway, Milwaukee 13, Wis. "Hi-Eff."
Toledo Scale Co., Telegraph Rd., Toledo 1, Ohio.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.

ELECTRODES, WELDING, See Rods, Welding

ELECTROLYTE, Battery Acid

American Cyanamid Co., 30 Rockefeller Plaza, New York 20, N. Y. "Aero Brand."
du Pont de Nemours & Co., E. I., Grasselli Chemicals Dept., Wilmington 98, Del.
Gould-National Batteries, Inc., Industrial Div., 467 Calhoun St., Trenton 7, N. J.

EMERY CLOTH, See Sandpaper

ENAMELS, Synthetic Resin Base

(See also Lacquers)

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Fleet-X-Namel."
Akron Paint & Varnish Co., 1390 Firestone Parkway, Akron 1, Ohio. "Bexco."
American Lacquer Solvents Co., Perkiomen Junction, Phoenixville, Pa. "Quix."
American Paint Co., 902 Larabee St., Chicago 10, Ill. "Dalax." (For commercial vehicles.)
American Varnish Co., 1138 N. Branch St., Chicago 22, Ill. "American," "Artspar."
Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio. "Synite."
Automotive Finishes, Inc., P. O. Box 457, Northwestern Station, Detroit 4, Mich. "Fleet-Lux."
Baer Bros., 438 W. 37th St., New York, N. Y.
Beckwith-Chandler Co., Delancey & Rutherford Sts., Newark, N. J. "B/C," "Bexolin."
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn.
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Synflex."
Bruning Bros., Inc., 4209 E. Chase St., Baltimore 5, Md.
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich. "Ditzco."
Donahue Varnish Co., F. J. 10586 Knodell Ave., Detroit, Mich. "Don-A-Lac."
du Pont de Nemours & Co., E. I., Finishes Div., Refinish Sales, Wilmington 98, Del. "Dulux."
Flood & Conklin Co., 132 Chestnut St., Newark 5, N. J.
Forbes Finishes Div., Pittsburgh Plate Glass Co., 3800 W. 143rd St., Cleveland 11, Ohio. "Synco," "Raybake."
Frost Paint & Oil Corp., 1209 Tyler St., N. E., Minneapolis 13, Minn. "Frostex."
Glidden Co., 11001 Madison Ave., Cleveland, Ohio.
Hilo Varnish Corp., 54 Stewart Ave., Brooklyn 6, N. Y.
Hock Paint & Chemical Works, Inc., Box 190, Phoenixville, Pa. "Metalock."
Horn Co., A. C., 10th St. & 44th Ave., Long Island City 1, N. Y.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago, Ill. "Illbronze."
Interchemical Corp., Murphy Paint Div., 224 McWhorter St., Newark 1, N. J. "Murphy."
Interstate Enamel & Varnish Co., 323 W. 15th St., Indianapolis, Ind. "Realcoat."
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Lucoflint."
M-M-A, Inc., P. O. Box 411, Lancaster, Pa. "Spritzit Color-Spra."
McDougall-Butler Co., 2929 Main St., Buffalo 14, N. Y. "Hardcote."
Martin-Senour Co., 2520 Quarry St., Chicago 8, Ill. "Synthol."
Midland Paint & Varnish Co., 3801 E. 91st St., Cleveland 5, Ohio. "Hyspar."
Modern Paint Co., 305 Eastern Ave., Chelsea 50, Mass.

476 tailor-made aluminum trailers for P. I. E.

fully equipped with Alcoa® Aluminum Forged Disc Wheels

With this order, P. I. E.'s fleet of aluminum trailers now numbers over 700! "It's no secret," says P. I. E., "lightweight aluminum allows more weight in the freight!"

WHY ALUMINUM TRAILERS?

Pacific Intermountain Express and thousands of other truck lines throughout the country have found aluminum offers four important advantages:

Extra Payload. Aluminum's inherent quality of light weight means more weight in revenue-paying freight, increased profits.

Economical Operation. Again, aluminum's weight characteristics pay off—because lighter rigs mean less wear on chassis and tires, more miles to the gallon of fuel.

Appearance. Aluminum rigs retain their attractive appearance throughout their extra-long life. They never need painting and maintenance is kept to a minimum.

Corrosion Resistance. If corrosion is your problem, aluminum is your solution. If your company paints its rigs, then aluminum can save up to $300 preparation costs compared with bodies of other materials.

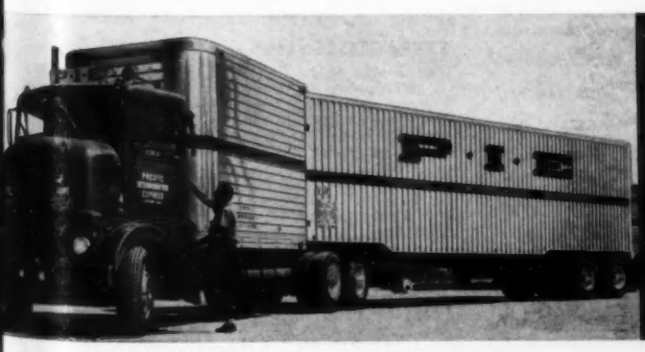
WHY ALCOA ALUMINUM WHEELS?

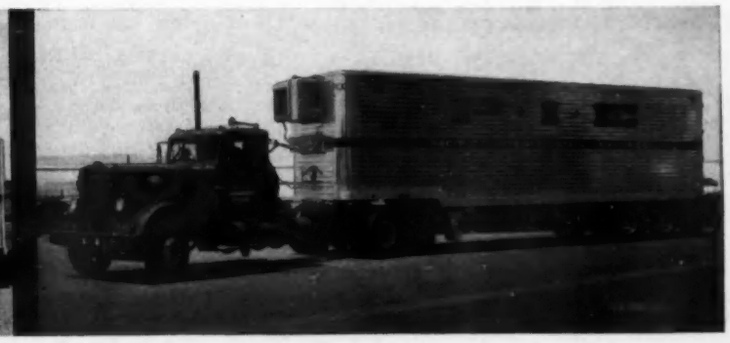
Alcoa Aluminum Forged Disc Wheels are great weight savers...up to 50 lbs. per wheel! In the forging and fabricating processes, these wheels are held to close tolerances. This pays off with a truer running wheel—and true running wheels mean reduced front-end vibration, easier steering, fewer cooling system failures and greater ease in balancing.

For the whole story on Alcoa Aluminum and these modern wheels, write: ALUMINUM COMPANY OF AMERICA, 1876-L Alcoa Building, Pittsburgh 19, Pa.

ALCOA ALUMINUM

ALUMINUM COMPANY OF AMERICA





ENAMELS—*continued*

Morris Paint & Varnish Co., 1823 Washington Ave., St. Louis 3, Mo. "Morlux," "Morris."
Nason & Co., R. N., 151 Potrero Ave., San Francisco 3, Calif. "Glyko."
Oxidermo Products, Inc., Springport, Mich.
Pittsburgh Plate Glass Co., Paint Div., 1 Gateway Center, Pittsburgh 22, Pa. "Lavax."
Plastic-Kote, Inc., 425 Lakeside Ave., N. W., Cleveland 13, Ohio.
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich. "Per-max."
Rogers Paint Products, Inc., 8250 St. Aubin Ave., Detroit 11, Mich.
Seymour of Sycamore, Inc., 218 Lucas St., Sycamore, Ill.
Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio. "Kem."
Standard-Toch Chemicals, Inc., 2600 Richmond Terrace, Staten Island 3, N. Y. "Stantox."
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
United Chromium, Inc., 100 E. 42nd St., New York 17, N. Y. "Unichrom."
V.E.P. Co., 440 E. Lafayette Ave., Detroit 26, Mich. "Ve-Kote."
Vita-Var Corp., 46 Albert Ave., Newark, N. J. "Vitz-Lux."
Vulcan Varnish Co., 1108 W. Main St., Louisville, Ky.
Wilbur & Williams Co., 130 Lincoln St., Brighton, Mass. "Totrust."
Woolsey Paint & Color Co., C. A., 229 E. 42nd St., New York, N. Y.

ENGINES, Diesel, Truck and Bus

Buda Co., Div. of Allis-Chalmers Mfg. Co., 154th St. & Commercial Ave., Harvey, Ill.
Continental Motors Corp., Muskegon 82, Mich. "Red Seal." (Truck, tractor, bus and marine.)
Cummins Engine Co., Fifth & Wilson Sts. Columbus, Ind.
Diesel Energy Corp., 143 Liberty St., New York 6, N. Y. (Deutz.)
Fageol Products Co., 789 Stow St., Kent, Ohio. "Fageol" & "Fageol-Leyland."
GMC Truck & Coach Div. General Motors Corp., 660 South Blvd., E. Pontiac 11, Mich.
Hercules Motors Corp., 101 11th St., S. E. Canton 2, Ohio.
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
P & H Diesel Engine Div., Harnischfeger Corp., 500 S. Main St., Crystal Lake, Ill.
Waukesha Motor Co., E. St. Paul Ave., Waukesha, Wis. (Truck.)

ENGINES, Gasoline, Small

Aerojet-General Corp., P. O. Box 296, Azusa, Calif.
Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis. (Single cylinder, 4-cycle air-cooled.)
Clinton Machine Co., Maple & Clark Sts., Maquoketa, Ia.
Continental Motors Corp., Muskegon 82, Mich.
Cushman Motor Works, Inc., 920 N. 21st St., Lincoln, Neb.
Gladden Products Corp., 635 W. Colorado Blvd., Glendale 4, Calif. "Bee-Line."
Homelite Corp., Port Chester, N. Y.
Jacobsen Mfg. Co., 747 Washington Ave., Racine, Wis.
Kermath Mfg. Co., 5890 Commonwealth Ave., Detroit 8, Mich.
Kohler Co., Kohler, Wis. (Air cooled.)
Lauson Co., 1604 Michigan St., New Holstein, Wis.
Le Roi Co., 1706 S. 68th St., Milwaukee 14, Wis.
McCulloch Motors Corp., 6101 W. Century Blvd., Los Angeles 45, Calif.
Onan & Sons, Inc., D. W., University Ave., S. E. at 25th St., Minneapolis 14, Minn.
Power Products Corp., Grafton, Wis.
Reo Motors, Inc., 1331 So. Washington Ave., Lansing 20, Mich.
Sensation Mower, Inc., 7577 Burlington St., Ralston, Nebr.
Universal Motor Co., 487 Universal Drive, Oshkosh, Wis.
Waukesha Motor Co., E. St. Paul Ave., Waukesha, Wis.
Wisconsin Motor Corp., 1910 S. 53rd St., Milwaukee 14, Wis.

ENGINES, Gasoline, Truck and Bus

(Covering independent engine manufacturers)

Aircooled Motors, Inc., Liverpool Rd., Syracuse 8, N. Y. "Franklin."
Brennan Motor Mfg. Co., 500 E. Water St., Syracuse, N. Y. (Truck.)
Buda Co., 154th St. & Commercial Ave., Harvey, Ill.
Continental Motors Corp., Muskegon 82, Mich. "Red Seal."
Fageol Products Co., 789 Stow St., Kent, Ohio.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E. Pontiac 11, Mich.
Hall-Scott Motor Div. of ACF-Brill Motors Co., 2850 Seventh St., Berkeley 10, Calif.
Hercules Motors Corp., 101 11th St., S. E. Canton 2, Ohio.
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Le Roi Co., 1706 S. 68th St., Milwaukee 14, Wis. (Bus)
Reo Motors Inc., 1331 S. Washington Ave., Lansing 20, Mich.
White Motor Co., 842 E. 79th St., Cleveland 1, Ohio.
Waukesha Motor Co., E. St. Paul Ave., Waukesha, Wis. (Truck, tractor and bus.)
Willys-Overland Motors, Inc., N. Cove Rd., Toledo 1, Ohio. (Truck.)

EXCHANGERS, HEAT, See Coolers, Oil Temperature

EXHAUST GAS INDICATOR, See Indicators, Carbon Monoxide

EXHAUST GAS REMOVING SYSTEMS

Brady Products Corp., 18th & Ebright Sts., Muncie, Ind.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich. "Monoxivent."
National System of Garage Ventilation, Inc., 330 North Church St., Decatur, Ill.

EXHAUST PIPES, See Pipes, Tail and Exhaust

EXHAUST PROTECTOR

(For Vertical Stack)

Canton Cast Products Co., 2400 13th St., N. E., Canton, Ohio. "Cancap."

EXPANDERS, Piston Ring

American Hammered Automotive Replacement Division, 2001 Sanford St., Muskegon, Mich.
Antajen Industries, Ltd., 937 Post St., San Francisco 9, Calif. "Dri-Plex."
Burd Piston Ring Co., Tenth St. & 23rd Ave., Rockford, Ill. "Rollpex." (Expanding.)
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.
Ramsey Corp., 3693 Forest Park Blvd., St. Louis 8, Mo. "Ramco."
Royal Piston Ring Co., Bath, N. Y.
Smalley Accessories Corp., 224 W. Huron St., Chicago, Ill.
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

EXPANDERS, Piston Skirt Inserts

Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill.
Haling Co., 1061 First Ave., Rochester, Minn.
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Perfect Circle Corp., 552 S. Washington St., Hagerstown, Ind.
Roberts Mfg. Co., 118 Monroe St., St. Charles, Mo.
Thexton Mfg. Co., 7600 Highway 7, Minneapolis 16, Minn.
Wel-Ever Piston Ring Co., Speilbusch Ave. nr. Jackson St., Toledo 1, Ohio. "Ezy Fit," "U-Flex."
Wherry Engineering Co., 3229 Morganford Rd., St. Louis 16, Mo. "Master Recams."

EXPANDERS, Piston Skirt, Machines

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A. D. I." (Electric.)
Badger Mfg. Co., 2326 S. Indiana Ave., Chicago 16, Ill.
Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill.
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich. (Air operated hammers.)
McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis 10, Mo. "Permasizer."
Master Products Mfg. Co., 3480 E. 14th St., Los Angeles 23, Calif.
Moog Piston Ring Co., Div. of Moog Industries, Inc., 6653 Easton Ave., St. Louis 14, Mo. "Moog Dynamizer."
Perfect Circle Corp., 552 S. Washington St., Hagerstown, Ind. "Perfect Circle Nurlizer."
Ramsey Corp., 3693 Forest Park Blvd., St. Louis 8, Mo. "Ramconizer."
Watervliet Tool Co., 1349 Broadway, Albany 1, N. Y.
Wausau Motor Parts Co., 1003 Harrison Blvd., Wausau, Wis. "Precisionurl."
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

EXTINGUISHERS, Fire, Portable

Allen Mfg. Co., 566 W. Lake St., Chicago, Ill.
American-LaFrance-Foamite Corp., 100 E. LaFrance St., Elmira, N. Y. "Fire-Gun," "La France."
Ansul Chemical Co., Fire Extinguisher Div., Marinette, Wis. (Dry chemical.)
Anthes Force Oiler Co., Ft. Madison, Iowa.
Beacon Devices, Inc., 74 Olive St., North Tonawanda, N. Y. "Tireflator," "Jumbo Tireflator." (Portable units, inflates tires or extinguishes fires.)
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn. "Hero."
Buffalo Fire Appliance Corp., 221 Crane St., Dayton 1, Ohio.
C-O-Two Fire Equipment Co., P. O. Box 390, Newark 1, N. J.
Diener Mfg. Co., Geo. W., 400 Monticello Ave., Chicago 24, Ill.
Dietz Co., R. E., 225 Wilkinson St., Syracuse, N. Y.
Fire-Killer Mfg. Co., 107 N. Franklin St., Syracuse 1, N. Y.
Fyr-Fyter Co., 221 Crane St., Dayton, Ohio.
General Detroit Corp., 2272 E. Jefferson St., Detroit 7, Mich. "General Quick Aid Fire Guards." (Eastern United States.)
General Pacific Corp., 1501 E. Washington Blvd., Los Angeles, Calif. "General Quick Aid Fire Guards."
Justrite Mfg. Co., 2061 No. Southport Ave., Chicago 14, Ill.
Kent Extinguisher Co., 830 Front St., N. W., Grand Rapids, Mich. "Pistol-Grip."
Kidde & Co., Inc., Walter, 675 Main St., Belleville 9, N. J. "Kidde."
Merlite Industries, Inc., 201 E. 16th St., New York 17, N. Y. "Presto."
Plasti-Kote, Inc., 425 Lakeside Ave., N. W., Cleveland 13, Ohio. "Sprazit."
Power-Pak Products, Inc., 43 Pearl St., Buffalo 2, N. Y. (Combination tire inflector and fire extinguisher.)
Protectoseal Co., 1920 S. Western Ave., Chicago 8, Ill.
Pyrene Mfg. Co., 560 Belmont Ave., Newark 8, N. J.
Randolph Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.
Safety Fire Extinguisher Co., 293 7th Ave., New York 1, N. Y.
Snyder & Son, M. L., Inc., 1827 E. York St., Philadelphia 25, Pa. "Stempel."
Stop-Fire, Inc., 125 Ashland Pl., Brooklyn 1, N. Y.
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn.

EXTRACTORS, Bolt and Screw

Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis. (Screw.)
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
C. & G. Wheel Puller Co., Scio, N. Y. (Stud.)
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio. "Ezy-Out."
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass. "Little Giant."
Groove-Rite Tool Co., 12714 Terry Ave., Detroit 27, Mich. (Piston screw for Pontiac and Oldsmobile cars.)
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."

No Handling Job Too Tough for a BRADEN Winch

TRUCK WINCHES Rated from 3,000 to 100,000 Pounds Capacity

The complete line of Braden Winches are carefully engineered for *safety, strength* and *durability.* Winch users now recognize the excellent performance the Braden Winch gives when subjected to the most strenuous conditions. Equip your truck with the superior Braden that gives more pulling power.

All Braden Winches, rated from 12,000 pounds are equipped with the patented, oil-cooled, fully adjustable, automatic safety brake.

Buy one — you too will realize more from Braden's trouble-free performance.

See your BRADEN dealer today!

BRADEN WINCH COMPANY

P. O. Box 547, Broken Arrow, Oklahoma

BRADEN Winches

EXTRACTORS, Bolt and Screw—cont'd

Keystone Reamer & Tool Co., Millersburg, Pa.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin." (Screw.)
Miller Co., L. B., 394 State St., Stamford, Conn. (Stud.)
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
P & C Hand Forged Tool Co., Box 5926, Milwaukee, Wis.
Proto Tools, 2209 Santa Fe Ave., Los Angeles, Calif. "Proto."
Quality Tools Corp., Railroad St., New Wilmington, Pa. "Oldforge."
Reps Tool Co., Box 5, Elmwood Branch, Hartford 10, Conn (Also stud.)
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Titan Tool Co., E. Main St., Fairview, Pa. "Titan-Kirkland." (Combination stud driver and remover.)
Vermont Tap & Die Corp., Main & Grove Sts., Lyndonville, Vt. (Screw.)
Whitman & Barnes Div. of United Drill & Tool Corp., Plymouth, Mich. (Screw.)
Wilde Drop Forge & Tool Co., 2938 Fairmount Ave., Kansas City, Mo. (Stud.)
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. (Stud.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W.-Nelson."
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Lefty."
Zim Mfg. Co., 3037 Carroll Ave., Chicago 12, Ill. (Stud.)

EXTRACTORS, Bushing

Accurate Parts Mfg. Co., 1600 S. Ashland Ave., Chicago 8, Ill.
Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Atmars-Mechanico, 3651 Lakeshore Ave., Oakland 10, Calif.
Beard Tool Co., L. O., Andrew & Friel Sts., Lancaster, Pa.
Cornwall Quality Tools Co., Mogadore, Ohio.
Crozier Machine Tool Co., 684 N. Prairie Ave., Hawthorne, Calif.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Greb Co., 181 Canton St., Stoughton, Mass.
Ideal Mfg. Co., 2649 N. Kildare St., Chicago, Ill.
Jibo Tool Co., 139 N. Mead St., Wichita, Kan.
Kent Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
National Machine Works, Inc., 1800 S. Broadway, Oklahoma City 9, Okla.
Owantonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Ullmo Tool Co., 2515 Superior St., Cleveland, Ohio. "Double B & B."
Zim Mfg. Co., 3037 Carroll Ave., Chicago 12, Ill. (Horn.)

FABRIC, Coated Cloth, For Curtains, Seat Covers, Tops and Upholstery

Admiral Fabrics Co., 22 E. 21st St., New York 10, N. Y. (Plastic coated.)
Athol Mfg. Co., 71 Chestnut Hill Ave., Athol, Mass. "Terek," "Terson." (For curtains and upholstery.)
Blossom Mfg. Co., 915 Broadway, New York 10, N. Y. (For curtains.)
Burlington Mills, Inc., Burlington, Wis. "Bur-Tex." (Plastic coated, for kick plates, dash seals, floor covering.)
Carpenter & Co., L. E., 170 N. Main St., Wharton, N. J. "Victrex." (Vinyl; sole distributors, A. J. Auchterlonie & Son, Inc., 668 Pallister Ave., Detroit 2, Mich.)
Columbus Coated Fabrics Corp., 7th & Grant Aves., Columbus 16, Ohio. (For upholstery and trim.)
Connecticut Hard Rubber Corp., 407 East St., New Haven 9, Conn. "Cohrlastic." (Silicone rubber coated Fiberglas.)
Cotan Corp., 331 Oliver St., Newark 5, N. J. "Co Hyde." (For seat covers, tops and upholstery.)
Duncan Co., W. H., 319 Broadway, New York 7, N. Y. "Dunotex."
du Pont de Nemours & Co., E. I., Fabrics Div., Wilmington, Del. ("Teal" Rubberized; "Fabrilite" Vinyl plastic coated for upholstery or trim.)
Duro-Gloss Rubber Co., 30 Lenox St., New Haven, Conn. (Rubber, pyroxylin and synthetic resin coated.)
Federal Leather Co., 681 Main St., Belleville 9, N. J.
Goodall-Sanford, Inc., Reading Div., Reading, Mass. "Redo." (Upholstery; sole distributor, Goodall Fabrics, Inc., 1 High St., Sanford, Me.)
Goodrich Co., B. F., 500 S. Main St., Akron 18, Ohio. "Koroseal."
Gordon, B., & Co., 141 West 17th St., New York 11, N. Y.
Haartz Auto Fabric Co., 3 Bridge St., Newton 58, Mass. "Jonarts Cleaneasy," "Jonarts Harmony." (For tops and decking.)
Haartz-Mason, Inc., Mechanical Products Div., Watertown 72, Mass. (For truck tarpaulins, engine covers, etc.)
Hettrick Mfg. Co., Summit & Magnolia Sts., Toledo, Ohio.
Jamestown Finishing Products, Inc., 125 Blackstone Ave., Jamestown, N. Y.
Joanna-Western Mills Co., 22nd & Jefferson Sts., Chicago, Ill. (Plastic coated for upholstery trim and seat cover.)
Landers Corp., Buckingham & Blucher Sts., Toledo 1, Ohio. ("Karavan" & "Olympia" for convertible tops; "Watertyte" for top decks; "Versilan" for upholstery; "Resilon" for seat cover trim, door panels, etc.)
Masland Duraleather Co., Amber & Willard Sts., Philadelphia 34, Pa. "Durasol."
Mt. Vernon-Woodberry Mills (Turner Halsey Co., Sales Agent, 40 Worth St., New York, N. Y.)
Niagara Fabric Mfg. Co., 161 Grand St., New York 13, N. Y. (Top and decking.)
Pantasote Co., 444 Madison Ave., New York 22, N. Y.
St. Clair Rubber Co., 440 Jefferson Ave., E. Detroit 26, Mich. "Clair-Tex."
Textileather Corp., 607 Madison Ave., Toledo 3, Ohio. ("Textileather" Pyroxylin coated for upholstery and trim; "Trolex" vinyl coated for upholstery and trim; "Elastic Tolex" vinyl coated knit.)
Turner Halsey Co., 40 Worth St., New York, N. Y.
Tower Co., A. J., 24 Simmons St., Boston 20, Mass. "Tower Proof."
Twitchell, Inc., E. W., Third & Somerset Sts., Philadelphia 33, Pa. "Textilene Plastistrand." (Plastic coated, for seat covers.)
United States Rubber Co., Coated Fabrics Div., Mishawaka, Ind. "U. S. Naugahyde."

FABRICS, Uniform

Reeves Brothers, Inc., 54 Worth St., New York 13, N. Y.
Metcalf Bros. & Co., Inc., 45 E. 17th St., N. Y., N. Y.

FACINGS, Clutch, Asbestos

American Brakeblok Div., American Brake Shoe Co., 4600 Merrit Ave., Detroit 9, Mich.
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Ameco."
Atlas Asbestos Co., North Wales, Pa.
Gatke Corp., 228 N. LaSalle St., Chicago 1, Ill.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y. "J-M" & "SW."
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
National Brake Block Corp., 79 Madison Ave., New York, N. Y.
Raybestos Div. of Raybestos-Manhattan, Inc. 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equipment Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Rex-Hide Brake Lining Co., 67 Glenwood Pl., East Orange, N. J.
Russell Mfg. Co., E. Main St., Middletown, Conn. "Rusco."
Scandinavia Belting Co., 248 Central Ave., Newark 1, N. J.
Thermoid Co., 200 Whitehead St., Trenton 6, N. J.

FACINGS, Clutch, Cork

Armstrong Cork Co., Industrial Div., Lancaster, Pa. (Also cork and rubber and fibre.)

FACINGS, Clutch, Metallic

Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc. 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equipment Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Wellman Co., S. K., 200 Egbert Rd., Bedford, Ohio.

FAN BELTS, See Belts, Fan

FANS, Defrosting and Ventilating

Chemex Corp., 41 Murray St., New York 7, N. Y.
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill. (For trucks and buses.)
Diehl Mfg. Co., Finderme Plant, 1011 Finderme Ave., Somerville, N. J. (Ventilating for buses.)
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn, N. Y.
Evans Products Co., Plymouth, Mich.
Lydon-Bricher Mfg. Co., 2500 University Ave., St. Paul 4, Minn. "McKay." (For buses and trucks.)
Roto-Beam, 1755 N. Keeler St., Chicago 39, Ill.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Torrington Mfg. Co., Franklin St., Torrington, Conn. "Aristocrat."
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. (Vacuum, defrosting.)

FANS, Exhaust Drying

American Blower Corp., Detroit 32, Mich. "ABC," "ABC Sirocco."
American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y. "Kellogg-American."
Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo.
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Buffalo Forge Co., 490 Broadway, Buffalo 4, N. Y.
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Clarage Fan Co., North & Porter Sts., Kalamazoo, Mich.
De Bothezat Fans Div. American Machine & Metals, Inc., East Moline, Ill.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, O.
Emerson Electric Mfg. Co., 8100 Florissant Ave., Detroit 21, Mich.
Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago, Ill.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio. "K & B."
M & E Mfg. Co., 2571 Winthrop Ave., Indianapolis 5, Ind.
Spray Engineering Co., 114 Central St., Somerville 45, Mass. "Spraco."
Standard Electric Mfg. Co., Haddon Ave., West Berlin, N. J.
Westinghouse Electric Corp., Sturtevant Div., 15 Damon St., Hyde Park, Boston 36, Mass.

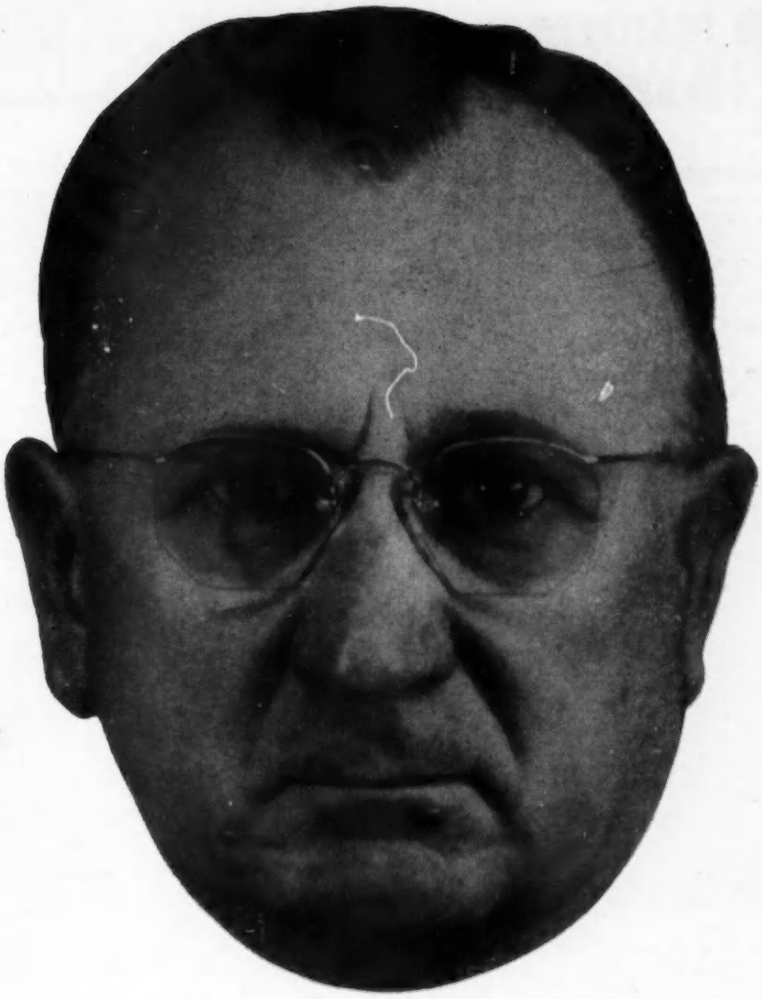
FANS, Radiator

De Bothezat Fans Div., American Machine & Metals, Inc., East Moline, Ill. "De Bothezat."
Eaton Mfg. Co., 739 E. 40th St., Cleveland 10, Ohio.
Evans Products Co., Plymouth, Mich.
Hayes Industries, Inc., Wildwood & Fern Aves., Jackson, Mich. "Autofan."
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog." (For Ford and Chevrolet cars.)
Schwitzer-Cummins Co., 1125 Massachusetts Ave., Indianapolis 7, Ind.
Service Products Corp., 201 S. Rural St., Indianapolis 1, Ind.

FASTENERS, Sheet Metal

Champ Items, Inc., 6191 Maple Ave., St. Louis 14, Mo.
Dzus Fastener Corp., P. O. Box 185, Babylon, L. I., N. Y.
Lamson & Sessions, 1971 W. 85th St., Cleveland, Ohio.
Palnut Co., 54 Cordier St., Irvington 11, N. J.
Prestole Corp., 1351 Miami St., Toledo 5, Ohio.

"We solved their cold engine problem... high maintenance costs dropped fast."



A large mid-western food processing company operates ten trucks for in-the-field hauling on its mushroom farm. Frequent loading and unloading call for much long-idle operation, and the engines are cold practically all of the time.

During a routine call, Sinclair Lubrication Engineer W. L. Gaertner inspected the engines, and found the oil being used was causing excessive sludge in the crankcase, on pans and pumpscreens. Varnish and hard carbon deposits were fouling valves, and the problem of stuck rings was serious. Maintenance costs were high, and down-time was averaging from two to three days.

Mr. Gaertner recommended Sinclair SUPER TENOL®. "I had confidence that the high detergency action of SUPER TENOL would improve conditions in a hurry," he reports.

The food company acted on his suggestion and changed to SUPER TENOL. "Definite improvement was quickly apparent," Mr. Gaertner says. "Down-time is now negligible, and the engines and engine-parts are staying clean. Performance is now outstanding and oil consumption has been reduced."

Why not give a Sinclair Lubrication Engineer the chance to help solve your lubrication problem. There's no obligation. Contact your local Sinclair office or write Sinclair Refining Company, 600 Fifth Avenue, New York 20, N. Y.

SINCLAIR LUBRICANTS

FASTENERS, Sheet Metal—cont'd

Simmons Fastener Corp., N. Broadway, Albany, N. Y. "Dual-Lock," "Link-Lock," "Quick Lock," "Spring Lock."
South Chester Corp., Lester, Pa. "Southco."
Steck Mfg. Co., 1312 Bolander Ave., Dayton 8, Ohio. (For fenders.)
Tinnerman Products, Inc., 8700 Brookpark Rd., Cleveland, Ohio. "Speed Nuts."
United-Carr Fastener Corp., 31 Ames St., Cambridge 42, Mass.

FELT, INSULATING, See Insulation, Felt, Hair, Paper, etc.

FENDERS

Bath Co., Cyril, Metal Form Div., 32280 Aurora Rd., Solon, Ohio.
Binkley Mfg. Co., Warrenton, Mo. (Truck.)
Budd Mfg. Co., Edw. G., Hunting Park Ave. & 25th St., Philadelphia, Pa.
Champion Sheet Metal Co., 2 Squires St., Cortland, N. Y. (Truck to order.)
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Foxcraft Products Co., 3235 N. 22nd St., Philadelphia 40, Pa. (Auto.)
Hart Metal Products Corp., 3333 Hammond Ave., Elkhart, Ind.
Kirk & Blum Mfg. Co., 3119 Forrer St., Cincinnati 9, Ohio. "K. & B." (Bus and truck.)
Metal Auto Parts Co., Chase & Henry Sts., Indianapolis 7, Ind.
Motor Metal Mfg. Co., 5936 Milford Ave., Detroit 10, Mich.
Mullins Mfg. Corp., 605 S. Ellsworth St., Salem, Ohio.
Murray Corp. of America, 7700 Russell St., Detroit 11, Mich.
Raybestos-Manhattan, Inc., Equipment Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Rex Metal Parts Co., 1295 W. 78th St., Cleveland 2, Ohio. (Bus, truck and fire engines.)
Saginaw Sheet Metal Parts Corp., 2064 E. Genesee Ave., Saginaw, Mich. (Truck.)
Stolper Steel Products Corp., 300 Tipp St., Menomonee Falls, Wis.
York Corrugating Co., Adams St. & W. Md. R. R., York, Pa. (Truck and trailer.)

FIFTH WHEEL, See Wheels, Fifth

FILES, Contact Point

Badger Tool & Mfg. Co., 1501 W. Polk St., Chicago, Ill.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Heller Bros. Co., 865 Mt. Prospect Ave., Newark, N. J.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Miller Co., L. B., 394 State St., Stamford, Conn.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
New Britain Machine Co., South St., New Britain, Conn.
Nolvex File Co., 10329 Detroit Ave., Cleveland 2, Ohio.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Rinck-McIlwaine Inc., 16 Hudson St., New York 13, N. Y.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Tacony File & Hardware Co., 7225 Wissinoming St., Philadelphia 35, Pa.
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.

FILTERS, AIR, See Cleaners, Air

FILTERS, Coolant

American Octanator Corp., 2107 Industrial Trust Bldg., Providence, R. I.
Fram Corp., Providence 16, R. I.
Perry Co., 840 Cooper St., Camden 2, N. J.

FILTERS, Diesel Fuel

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Air-Maze Corp., 25000 Miles Rd., Cleveland 28, Ohio.
American Bosch Div. American Bosch Arms Corp., 3664 Main St., Springfield 7, Mass.
Briggs Filtration Co., Automotive Div., River Road, Washington 16, D. C.
Commercial Filters Corp., 2 Main St., Melrose 76, Mass. "Fulflo."
DeLuxe Products Corp, 1200 Michigan Blvd., Racine, Wis.
Fram Corp., Providence 16, R. I.
Hilliard Corp., 113 W. Fourth St., Elmira, N. Y. "Hilco."
Luber-Finer, Inc., 2514 S. Grand Ave., Los Angeles 7, Calif.
Michiana Products Corp., Sheet Steel Div., Michigan City, Ind.
Purolator Products, Inc., 970 New Brunswick Ave., Rahway, N. J.
Skinner Purifiers Div. of Bendix Aviation Corp., 1500 Trombly Ave., Detroit 11, Mich.
Sparkler Mfg. Co., Lake St., Mundelein, Ill.
Truck Accessories Co., 2512 W. Olympic Blvd., Los Angeles 6, Calif.
W. G. B. Oil Clarifier, Inc., 139 Cornell St., Kingston, N. Y.
Winslow Engineering Co., 4069 Hollis St., Oakland 8, Calif.

FILTERS, Gasoline

AC Spark Plug Div., General Motors Corp., 1330 N. Dort Highway, Flint 2, Mich.
Airtex Automotive Div., Airtex Products Inc., Fairfield, Ill. (Equipped with damper.)
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Autopulse Corp., 218 E. Dowland St., Ludington, Mich.
Carter Carburetor Corp., 2840 N. Spring Ave., St. Louis 7, Mo.
Century Gas Equipment Co., 11188 Long Beach Blvd., Lynwood, Calif. (LP Gas.)
Champ-Items, Inc., 6191 Maple Ave., St. Louis 14, Mo.
Cuno Engrg. Corp., 80 S. Vine St., Meriden, Conn.
Fram Corp., Providence 16, R. I.
Hygrade Products, Div. Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
J & S Carburetor Co., 2634 N. Beckley Ave., Dallas 2, Texas.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J. "Micro-Bronze."
Klemm Automotive Products Co., 1718 N. Damen Ave., Chicago 47, Ill.
Luber-Finer, Inc., 2514 S. Grand Ave., Los Angeles, Calif.
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio.
Purolator Products, Inc., 970 New Brunswick Ave., Rahway, N. J.
Skinner Purifiers Div. of Bendix Aviation Corp., 1500 Trombly Ave., Detroit 11, Mich.
Sparkler Mfg. Co., Lake St., Mundelein, Ill.
Tillotson Mfg. Co., 761 Berdan St., Toledo 12, Ohio. "Fil-Trap."
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich.

FILTERS, Oil

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Bolser Corp., S. Main St., Cedar Falls, Iowa. "Re-Pak-It."
Briggs Filtration Co., Automotive Div., River Road, Washington 16, D. C.
Buffalo Pressed Steel Co., 460 N. Meridian Rd., Youngstown 9, Ohio.
Buffalo Weaving & Belting Co., 2100 Lake Park Blvd., Alliance, Ohio.
Champion Laboratories, Inc., 122 Charles St., Meriden, Conn. "Champ."
Commercial Filters Corp., 2 Main St., Melrose 76, Mass. "Fulflo."
Cuno Engrg. Corp., 80 S. Vine St., Meriden, Conn.
De Luxe Products Corp., 1200 Michigan Blvd., Racine, Wis.
Filtors, Inc., 30 Sagamore Hill Dr., Port Washington, L. I., N. Y.
Fram Corp., Providence 16, R. I. "Col-Pak," "Fram Filcrom."
General Filters, Inc., 43800 Grand River Ave., Novi, Mich.
Hastings Mfg. Co., N. Hanover St., Hastings, Neb.
Henderize, Inc., 5667 Freeport Blvd., Sacramento, Calif. "Tissu-Pak."
Hilliard Corp., 113 W. 4th St., Elmira, N. Y. "Hilco."
Hutchens Industries, Inc., 1206 Hastings Way, Eau Claire, Wis.
Luber-Finer, Inc., 2514 S. Grand Ave., Los Angeles 7, Calif.
Mac Kenzie Muffler Co., 460 N. Meridian Rd., Youngstown 9, Ohio.
Michiana Products Corp., Sheet Steel Division, Michigan City, Ind.
Nugent & Co., Wm. W., 410 W. Hermitage Ave., Chicago 22, Ill.
Oilpure Refiner Sales Co. (Oil Refiner), 507 Fifth Ave., New York, N. Y.
Pick Mfg. Co., West Bend, Wis.
Purolator Products, Inc., 970 New Brunswick Ave., Rahway, N. J.
Reclaimo Mfg. Co., 5083 Elston Ave., Chicago, Ill. "Re-Claimo."
Skinner Purifiers Div. of Bendix Aviation Corp., 1500 Trombly Ave., Detroit 11, Mich.
Truck Accessories Co., 2512 W. Olympic Blvd., Los Angeles 6, Calif. L.A. 6 "Tacco" Lifetime.
W. G. B. Oil Clarifier, Inc., 139 Cornell St., Kingston, N. Y.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis. "Walker Laminar."
Winslow Engineering Co., 4069 Hollis St., Oakland 8, Calif.
Wix Corp., 1211 Ozark St., Gastonia, N. C.

FILTERS, Oil Refills

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Air Cleaner Service Co., 1717 S. Acoma St., Denver 10, Colo. "Cyclone."
Bolser Corp., S. Main St., Cedar Falls, Iowa.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Briggs Filtration Co., Automotive Div., River Rd., Washington 16, D. C.
Buffalo Pressed Steel Co., 460 N. Meridian St., Youngstown 9, Ohio.
Campbell Filter & Mfg. Co., Rumford, R. I.
Champion Laboratories, Inc., 122 Charles St., Meriden, Conn. "Champlab."
De Luxe Products Corp., 1200 Michigan Blvd., Racine, Wis.
Filtors, Inc., 30 Sagamore Hill Dr., Port Washington, L. I., N. Y. (Sole distributors, Bowman Products Co., Cleveland 3, Ohio.)
Fram Corp., Providence 16, R. I. "Fram Filcron."
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Hutchens Industries, Inc., 1206 Hastings Way, Eau Claire, Wis.
Mac Kenzie Muffler Co., 460 N. Meridian Rd., Youngstown 9, Ohio.
Pick Mfg. Co., West Bend, Wis.
Purolator Products, Inc., 970 New Brunswick Ave., Rahway, N. J.
Refill Filter Co., 120 Rhode Island Ave., East Orange, N. J. "Refilco."
W B G Oil Clarified Co., 139 Cornell St., Kingston, N. Y.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Winslow Engineering Co., 4069 Hollis St., Oakland 8, Cal.
Wix Corp., 1211 Ozark, Gastonia, N. C.

FILTERS, Oil, Transmission

Fuller Mfg. Co., Transmission Div., Prouty St., Kalamazoo 13F, Mich.

FIRE ENGINES, See Trucks, Fire
FITTINGS, TUBE, See Tube Fittings
FLAPS, FENDER, See Guards, Splash

FLARES, Highway Lighting

American Automatic Devices Co., Throop St., Chicago 7, Ill. "King Bee Ace," "King Bee Fuel-Tite," "King Bee Special." (Oil burning.)
Anthes Force Oiler Co., Ft. Madison, Iowa. (Oil burning and electric; also fuses.)
Arrow Safety Device Co., Mt. Holly, N. J. (Oil burning; also fusees.)
Bolser Corp., S. Main St., Cedar Falls, Iowa. (Oil burning; also fusees.)
Buffalo Weaving & Belting Co., 2100 Lake Park Blvd., Alliance, Ohio. "Flash-Flare."

"VICKERS® Hydraulic Power Steering Helps Improve Our Operation"

. . . Says Jacksonville Coach Company

"We are very much pleased with the Vickers Hydraulic Power Steering which we have on our Series 200 White Diesel Buses," writes J. M. Moore, Vice President and General Manager, Jacksonville Coach Company. "As of March 1, 1954 these 20 buses had a total of 2,006,010 miles.

"The better maneuverability resulting from this power steering helps maintain schedules as the buses get through city traffic much easier . . . it also often helps avoid accidents. The reduced driver fatigue is reflected in improved safety records. Also, the driver has no fear of loss of control resulting from a front tire blowout. Power steering is a refinement we propose to incorporate on all future equipment."

For all the facts about Vickers Hydraulic Power Steering, ask for new Catalog M-5101.

VICKERS Incorporated
DIVISION OF THE SPERRY CORPORATION
1418 OAKMAN BLVD. • DETROIT 32, MICH.
Application Engineering Offices:
ATLANTA • CHICAGO (Metropolitan) • CINCINNATI • CLEVELAND DETROIT • HOUSTON • LOS ANGELES (Metropolitan) • NEW YORK (Metropolitan) • PHILADELPHIA • PITTSBURGH • ROCHESTER ROCKFORD • SEATTLE • TULSA • WASHINGTON • WORCESTER

6218

Vickers Hydraulic Power Steering Booster does the actual work of steering. With the touch of only a finger the driver can steer the heaviest vehicle on or off the road. All road shock is absorbed by Booster and transmitted to the vehicle frame . . . there can be no kick-back at the steering wheel. Fatigue is reduced and driver efficiency increased.

VICKERS® hydraulic POWER STEERING is Effortless Positive and Shockless

FLARES, Highway Lighting—cont'd

Busch & Co., A. G., 2632 N. Central Ave., Chicago 39, Ill. "Safety-Flare." (Plugs into cigar lighter.)
Carpenter Mfg. Co., Sidney & Erie Sts., Cambridge, Mass. "Carpenter Master-Lites." (Electric and electric flasher type.)
Delbar Products, Inc., 7th & Spruce Sts., Perkasie, Pa. (Also fuses.)
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y. (Oil burning, also fusee type.)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. (Electric and kerosene.)
Emarco Corp., Far Hills Station, Dayton 9, Ohio. "Tharo-Flare."
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky. (Oil burning.)
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio. (Oil burning and electric; also fusees.)
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Kilgore, Inc., Westerville, Ohio. "International." (Fusees.)
S & M Lamp Co., 119 W. 36th Place, Los Angeles 54, Calif.
Standard Railway Fusee Corp., Signal Flare Div., Box 30-C, Needham Heights 94, Mass. (Fusees.)
Toledo Pressed Steel Co., 397 Phillips Ave., Toledo, Ohio. (Oil burning; also fusees.)
Turnsignal Corp., 2720 W. Susquehanna Ave., Philadelphia 21, Pa. "Turnco." (Electric.)
U-C Lite Mfg. Co., 1050 W. Hubbard St., Chicago 22, Ill. "Big Beam."
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (Oil burning.)

FLARING TOOLS, See Tools, Tube Flaring

FLASHERS, Directional Signal

Arrow Safety Device Co., Mt. Holly, N. J.
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Signal-Stat Corp., Signal-Stat Bldg., 523 Kent Ave., Brooklyn 11, N. Y. "Signal-Stat," "Flarestat." (Emergency, for disability parking.)
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich.
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill.
Tung-Sol Electric, Inc., 95 8th Ave., Newark 4, N. J.

FLEET RECORDS, See Forms

FLOOR COVERINGS, See Covering, Floor

FLOOR RESURFACERS, See Resurfacers, Floor

FLOORING, Truck and Trailer

Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa. (Aluminum.)
American Abrasive Metals Co., 460 Coit St., Irvington 11, N. J. "Alumalun," "Bronzalun," "Feralun," "Nicalun."
Consolidated Water Power & Paper Co., Ahdawagam Div., P. O. Box 50, Wisconsin Rapids, Wis. "Consoweld." (Plastic.)
Dow Chemical Co., 919 Jefferson Ave., Midland, Mich. (Magnesium.)
Great Lakes Steel Corp., Ecorse, Detroit 29, Mich. (Steel.)
Inland Steel Co., 38 S. Dearborn St., Chicago 3, Ill. "Inland 4-Way." (Steel.)
Reynolds Metals Co., Louisville 1, Ky. (Aluminum.)
Ryerson & Son, Inc., Joseph T., 16th & Rockwell Sts., Chicago, Ill.; also 1600 E. Euclid Ave., Detroit, Mich.

FLUID, Hydraulic Brake and Shock Absorber

Allube Corp., 928 Allen Ave., Glendale 1, Calif.
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind. (Brake.)
Carbide & Carbon Chemical Co. (A Div. of Union Carbide & Carbon Corp.), 30 E. 42nd St., New York, N. Y. "Ucon," "Cellosolve" & "Carbitol." (Brake.)
Chicago Hydraulic Oil Co., 371 E. 116 St., Chicago 28, Ill. "Brakrite" & Safe-Brake" (Brake); "Shockoyl," "Hijoyl," "Lojoyl" (shock absorber).
Drew & Co., E. F., (Automotive Chemicals Div.), 15 E. 26th St., New York, N. Y. "Ameroid."
du Pont de Nemours & Co., Finishers Div. Specialties Sales, Wilmington 98, Del.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Eis Automotive Corp., Middletown, Conn. (Brake.)
Farbach Chemical Co., Chase & Dane Sts., Cincinnati 23, Ohio. "Hy-Bra Fluid."
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. ("Alrite," "Fidelity," "Hydro-Loc" brake.)
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Grizzly Mfg. Co., Div. of Maremont Automotive Products, Inc., 700 W. Caroline St., Paulding, Ohio.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz." (Brakes.)
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Loreman Products, Moore & Division Sts., Salisbury, Md. (Brake.)
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio. "Delco." (Brake.)
Motor Kool Products Co., 505 Buttles Ave., Columbus 8, Ohio. "M-K." (Brake.)
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Brake.)
Octagon Process Inc., 15 Bank St., Staten Island 1, N. Y.
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Penetone Co., 74 Hudson Ave., Tenafly, N. J. (Brake.)
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y.
Porte Mfg. Co., 3179 Atlantic Ave., Brooklyn 8, N. Y. "Porto."
Prairie States Oil & Grease Co., Danville, Ill. (Sole distributors, Petroleum Chemicals Co., Tilton Rd., Danville, Ill.)
Purfex Mfg. Co., Box 118, Collegeville, Pa. (Brake.)
Puritan Co., 961 Lyell Ave., Rochester 6, N. Y.
Radiator Specialty Co., 1700 Dowd Rd., Charlotte 1, N. C. "Supen A." (Brake.)
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Sinclair Refining Co., 600 Fifth Ave., New York, N. Y. (Brake.)
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. (Brakes.)
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio.
Stanley Co., John T., 642 W. 30th St., New York, N. Y. "Mobo."
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa. "Sunoco." (Shock absorber.)
Supco Div. of Lisle Corp., 805 E. Main St., Clarinda, Iowa.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J. (Brake.)
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
U. S. Chemical & Supply Co., 918 E. Fifth St., Kansas City 6, Mo. "Z-4."
United Motor Service, United States Aviex Co., 1350 Maple St., Niles, Mich. (Brake.)
Universal Chemical Div. R. M. Hollingshead Corp., 840 Cooper St., Camden 2, N. J.
V-O Mfg. Co., 13165 Sherman Ave., North Hollywood, Calif.
Van Cleef Bros., Inc., Woodlawn Ave., 77th to 78th St., Chicago 19, Ill. "Dutch Brand."
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "Lockheed." (Brake.)
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Warwick Laboratories Co., 334 Cleveland St., Brooklyn 8, N. Y. "Warco."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.

FLUID, Starting, Diesels

California Oil Co., The, Barber, N. J. "Chevron."
Sinclair Refining Co., 630 Fifth Ave., New York, N. Y.
Starting Fluid Co., P. O. Box 584, Camden 1, N. J.

FLUSHERS, Crankcase

Hydro-Air Cleaning Systems, Inc., 11311 Miles Ave., Cleveland 5, Ohio.
K. & W. Products, Inc., 8319 Allport Ave., Whittier, Calif. "K & W."

FLUSHERS, Differential and Transmission

Aero-Motive Mfg. Co., 1803 Alcott St., Kalamazoo 24, Mich. "Zoo."
Aro Equipment Corp., Bryan, Ohio.
Coil Mfg. Co., 1013 N. Fares Ave., Evansville 11, Ind. (Guns.)
Currier Corp., 710 73rd Ave., Oakland 4, Calif. "Dee Tee." (Electric.)
Dutton-Lainson Co., Mfg. Div., Hastings, Neb. "Rose."
Gray Co., 60 11th Ave., N. E. Minneapolis 13, Minn. "Graco." (Gear flushers.)
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny."
Oakite Products, Inc., 19 Rector St., New York, N. Y.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (Flushers.)

FLUSHERS, Radiator and Block, Portable

Aero-Motive Mfg. Co., 1803 Alcott St., Kalamazoo 24, Mich. "Zoo." (Guns.)
Brady Corp., 18th & Ebright Sts., Muncie, Ind. (Electric powered unit.)
Choldun Mfg. Corp., 331 East St., New Haven, Conn. "Pressure Purger."
Halls, Inc., 10 Stone Mountain St., Lithonia, Ga. "Spontane." (Guns.)
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny." (Nozzles.)
Inland Mfg. Co., 1108 Jackson St., Omaha 8, Neb.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Liquid Veneer Corp., Urban & Kehr Sts., Buffalo 11, N. Y. "Purgo Ejector."
Sodrin Corp., 2748 McGee Trafficway, Kansas City, Mo. "Sodrin." "Wat-Air." (Guns.)
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill.

FLUX, WELDING, See Compounds, Welding

FOG LIGHTS, See Lamps, Fog, Head and Spot

FORK LIFT TRUCKS—See Trucks, Lift

FORMS, Fleet Record

Fleet Forms Co., 1410 N. High St., Columbus 16, Ohio.
McBee Co., Athens, Ohio.
Milbin Printing Co., 132 W. 22nd St., New York 11, N. Y.
Uarco, Inc., 5000 S. California Ave., Chicago 32, Ill.

FOUNTAIN BRUSHES, See Washers, Fountain Brushes & Mops

FRAMES, Pressed Steel

Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
Midland Steel Products Co., 6660 Mt. Elliott Ave., Detroit 11, Mich.
Murray Corp. of America, 7700 Russell St., Detroit 11, Mich.
Parish Pressed Steel Co., Robison & Weiser Sts., Reading, Pa.
Smith Corp., A. O., 27th & Hopkins Sts., Milwaukee 1, Wis.
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Parish."

FRAMES, Trailer Door

Andrews Industries, Inc., P. O. 418, St. Louis, Mo.

FRONT END ALIGNMENT EQUIPMENT, See Gages, Wheel & Axle Aligning

FUELS, Engine

American Liquid Gas Corp., 1109 Santa Fe Ave., Los Angeles 21, Cal. (LP-Gas.)
American Oil Co., American Bldg., Baltimore, Md.
Associated Division, Tide Water Associated Oil Co., 79 New Montgomery St., San Francisco, Calif.
Atlantic Refining Co., 260 S. Broad St., Philadelphia, Pa.
Cities Service Oil Co., 60 Wall Tower, New York 5, N. Y.
Continental Oil Co., Continental Oil Bldg., Ponca City, Okla.

Distributors FOR TULSA WINCHES

ALABAMA
Kimerling Truck & Parts Company, Birmingham

ARIZONA
Welch Manufacturing Company, Phoenix

ARKANSAS
Southern Equipment Company, Little Rock
Truck Equipment Company, Fort Smith

CALIFORNIA
*Modern Vehicle Company, San Francisco
W. V. Morgan Company, Sacramento
*Rankin Brothers, Lynwood
Standard Auto-Body Co., Inc., Los Angeles

COLORADO
The Winter Weiss Company, Denver

CONNECTICUT
*Curran-Waring Equipment Co., Norwalk
Truck Equipment Company, Inc. Norwalk
†*Truck Industries, Inc., Greenwich

DISTRICT OF COLUMBIA
Watson Automotive Equipment Co., Washington, D.C.

FLORIDA
Miller Truck Equipment Company, Miami
*Rivers Body Factory, Jacksonville
Rivers Body Factory, Orlando
Rivers Body Factory, Tampa
*West Florida Equipment Co., Marianna

GEORGIA
Truck Equipment Company of Atlanta, Atlanta

IDAHO
The Lang Company, Boise

ILLINOIS
Auto Truck Equipment Sales, Chicago
Drake-Scruggs Equipment Co., Springfield
Merit Truck Parts & Wheel Co., Chicago
*Bill Montgomery Body & Trailer Mfgr., Salem
Nix Brothers, Olney
Scruggs-Drake Equipment Co., Decatur
*Voltz Brothers, Inc., Chicago
Transportation Equipment Co., East St. Louis
Truck Equipment Company, Peoria

INDIANA
Ernst Truck Equipment, Inc., Fort Wayne
Hallenberger, Inc., Evansville
*Southside Equipment Company, Indianapolis
Truck Engineering Co., Fort Wayne

IOWA
E. Cohn & Sons, Inc., Cedar Rapids
Pecaut Industrial Supply Company, Sioux City
Weston Dump Body Company, Des Moines

KANSAS
*Truck Parts and Equipment, Inc., Wichita

KENTUCKY
Oscar Crady Company, Inc., Louisville
Wilson Machinery & Supply Co., Inc., Lexington

LOUISIANA
*Dealers Truck Equipment Company, Shreveport
*Massart Tire and Supply, Lafayette
*Massart Tire and Supply, Lake Charles

MARYLAND
*Watson Automotive Equipment Company, Baltimore

MICHIGAN
Factors Inc., Dollar Bay
Ashton Power Wrecker Equipment Co., Inc., Detroit
I. H. Gingrich and Sons, Inc., Grand Rapids
†Herthornway Export Corporation, Detroit
Swift All-Steel Body Co., Inc., Saginaw

MINNESOTA
Smith-Dunn, Inc., Duluth
Smith-Dunn Company, Inc., S. E. Minneapolis

MISSISSIPPI
*A. P. Lindsey, Distributor, Inc., Jackson

MISSOURI
The Ashton-Richards Company, Inc., Kansas City
Dealers Truck Bodies, Inc., St. Louis
Fimco Iron & Supply Co., Springfield
Pitman Mfg. Co., Kansas City
Rothschild's Iron and Metal Works, Joplin

MONTANA
*Smith Equipment Company, Great Falls

NEBRASKA
Badger Body Manufacturing Co., Omaha
*Highway Equipment and Supply Co., Lincoln

NEW JERSEY
Adam Black & Sons, Inc., Jersey City
*Transportation Equipment Co., Inc., Newark

NEW MEXICO
Farmington Truck & Equipment Co., Inc., Farmington
M & F Equipment Company, Albuquerque
Watson Truck & Supply, Hobbs

NEW YORK
Binghamton-Heil Equipment Corp., Vestal
Franklin Body & Equipment Corporation, Brooklyn
*Maday Body and Equipment Corp., Buffalo
Maday Body and Equipment Corp., Rochester

NORTH CAROLINA
Ferree Motor & Equipment Co., Greensboro
*Mitchell Distributing Company, Inc., Raleigh
Mitchell Distributing Company, Inc., Spruce Pine
Twin-States Equipment Company, Charlotte
Twin-States Equipment Company, Raleigh

NORTH DAKOTA
Smith, Incorporated, Fargo

OHIO
The Carnegie Body Company, Cleveland
The Buckeye Supply Co., Wooster
The Buckeye Supply Co., Zanesville
*Kencar Equipment Company, Dayton
Middlekauff, Inc., Toledo
Ohio Truck & Parts Company, Cincinnati
Universal Sales Company, Portsmouth
*Weaver Trailer & Body Co., Columbus

OKLAHOMA
*American Body and Trailer, Inc., Oklahoma City
*American Body and Trailer, Inc., Tulsa
Duncan Equipment Company, Duncan
*Leland Equipment Company, Oklahoma City
*Leland Equipment Company, Tulsa
Seminole Motor Sales, Seminole

OREGON
**Truck & Industrial Equipment Co., Portland
Western Equipment Company, Eugene
Western Equipment Company, Portland

PENNSYLVANIA
Doerr Brothers, Inc., Pittsburgh
Eastern Body Company, Philadelphia
Medico Elec. Motor Co., Inc., Pittston
Trailco Mfg. & Sales Company, Hummel's Wharf

SOUTH DAKOTA
Pecaut Equipment Company, Sioux Falls

TENNESSEE
Furlow-Cate, Inc., Chattanooga
Martin Machinery & Supply Company, Knoxville
Rogers Manufacturing Co., Inc., Nashville
*Scruggs Equipment Company, Memphis

TEXAS
*Adams Truck Company, Inc., San Antonio
American Trailer Service, Inc., Amarillo
*City Welding Shop, Borger
Downs & Clark Equipment Co., Odessa
*Downs-Clark Inc., Lubbock
*Alex Feigelson Company, Beaumont
*Hobbs Trailer Sales Company, El Paso
*Leland Equipment Company, Longview
*Oilfield Truck Equipment Co., Dallas
Oilfield Truck Equipment Co., Ft. Worth
*Oilfield Truck Equipment Co., Houston
*Truckers Equipment, Inc., Corpus Christi
Truckers Equipment, Inc., Harlingen
*Wichita Engineering Company, Wichita Falls

UTAH
The Lang Company, Inc., Salt Lake City

VIRGINIA
Cole-Kelly Equipment Corp., Richmond
*Cole-Kelly Equipment Corp., Roanoke
Transit Trailer Company, Portsmouth

WASHINGTON
*Andrews Equipment Service of Washington, Inc., Spokane
*Utility Trailer & Equipment Company, Seattle

WEST VIRGINIA
*West Virginia Tractor & Equipment Co., Charleston
West Virginia Tractor & Equipment Co., Clarksburg

WISCONSIN
Mullins Body, Inc., South Milwaukee

WYOMING
*Gehring Equipment Company, Casper

TERRITORIES, POSSESSIONS AND FOREIGN COUNTRIES

AFRICA
W. S. Thomas & Taylor, Ltd., Johannesburg, South Africa

BRITISH WEST INDIES
Neal & Massy Engineering Company, Ltd., Trinidad

CANADA
*Coutts Machinery Co., Ltd., Calgary, Alberta
*Coutts Machinery Company, Ltd., Edmonton, Alberta
*Truck Parts & Equipment Limited, Vancouver, B. C.
Western Tractor & Equipment Co., Ltd., Regina, Sask.
Western Tractor & Equipment Co., Ltd., Saskatoon, Sask.
Willock Truck Equipment Co., Ltd., Vancouver, B. C.
*Phil Wood Industries, Limited, Windsor, Ontario

CUBA
Cia. Agro-Mecanica Industrial Campalva S. A., Havana

HAWAII
A. F. Stubenberg Limited, Honolulu 13

MEXICO
*Auto Servicio, S. A., Mexico I, D. F.

NEW ZEALAND
Motor Specialties Limited, Auckland, C. I.

PHILIPPINES
U. S. Automotive Co., Inc., Manila

VENEZUELA
*Walco, S. A., Caracas
*Walco, S. A., Puerto la Cruz
*Walco, S. A., Maracaibo

* Winch Distributors also selling and installnig Vickers Hydraulic Steering Systems.
** Distributors for Vickers Hydraulic Steering Systems and parts only.
† Export Sales Only.

FOR DETAILED INFORMATION AND PRICES PLEASE CALL OR WRITE YOUR NEAREST DISTRIBUTOR

Tulsa Winch
TULSA, OKLAHOMA DIVISION OF VICKERS Inc.

DL-554

* Reg. U. S. Pat. Office

THE WORLD'S LARGEST MANUFACTURER OF TRUCK POWER WINCHES

FUELS, ENGINE—*continued*

Emerol Mfg. Co., 242 W. 69th St., New York, N. Y.
Esso Standard Oil Co., Esso Bldg., 15 W. 51st St., New York, N. Y.
Ethyl Corp., New York 17, N. Y. (Diesel Ignition Improver.)
Gulf Oil Corp., Gulf Building, Pittsburgh, Pa.
Mid Continent Petroleum Corp., Tulsa 2, Okla.
Pennsylvania Refining Co., Butler Savings & Trust Co., Butler, Pa.
Phillips Petroleum Co., Bartlesville, Okla.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Richfield Oil Corp., Richfield Bldg., 555 S. Flower St., Los Angeles 13, Calif.
Shell Oil Co., Shell Bldg., San Francisco, Calif.
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Sinclair Refining Co., 630 Fifth Ave., New York 20, N. Y.
Socony Vacuum Oil Co., 26 Broadway, New York 4, N. Y.
Standard Oil Co. of California, Standard Oil Bldg., San Francisco, Calif.
Standard Oil Co. (Indiana), 910 S. Michigan St., Chicago 80, Ill.
Sun Oil Co., Marcus Hook, Pa.
Texas Co., The, 135 E. 42nd St., New York 17, N. Y.
Tide Water Associated Oil Co., 17 Battery Place, New York, N. Y.
Union Oil Co. of California, Union Oil Bldg., Los Angeles 17, Calif.

FUEL FILTERS, See Filters, Gasoline; also Filters, Diesel, Fuel

FUEL INJECTORS, DIESEL, See Injector Systems, Gasoline and Diesel Engine

FUEL LINES, FLEXIBLE, See Tubing, Oil and Gasoline Line

FUEL PUMP PARTS, See Parts, Fuel Pump

FUEL PUMP TESTERS, See Testers, Fuel Pump

FUEL PUMPS, See Pumps, Fuel

FUSEES, See Flares, Highway Lighting

FUSES, Electric

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Bussmann Mfg. Co., 2536 W. University St., St. Louis 7, Mo. "Buss," "Buss Fustats," "Fusetrons."
Eagle Electric Mfg. Co., 23-10 Bridge Plaza South, Long Island City 1, N. Y.
General Electric Co., Const. Materials Div., 1285 Boston Ave., Bridgeport 2, Conn.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kirkman Engineering Corp., 123 Mercer St., New York 12, N. Y. "K-E," "Kirkman Fustats," "Kirkman Thermofuses," "Kirkman Peak Lag."
Littlefuse, Inc., 1865 Miner St., Des Plaines, Ill.
Monarch Fuse Co., 118 E. 1st St., Jamestown, N. Y.
Reynolds Mfg. Co., 1805 Alamo National Bldg., San Antonio 5, Tex. "Remco."
Royal Electric Co., Pawtucket, R. I.
Sightmaster Corp., 111 Cedar St., New Rochelle, N. Y.
Trico Fuse Mfg. Co., 2948 N. Fifth St., Milwaukee 12, Wis.
Ware Fuse Corp., 4406 W. Lake St., Chicago, Ill. "Hi-Lag," "One-Time," "W-B."

GAGES, Brake Drum

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
C. & G. Wheel Puller Co., Scio, N. Y.
Grigg Specialty Tools, 8103 Marbrisse Ave., Huntington Park, Calif.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason."
Van Norman Co., 3640 Main St., Springfield 7, Mass. "Diam-A-Gage."

GAGES, Brake Shoe

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. "Barrett Brake Dokter."
C. & G. Wheel Puller Co., Scio, N. Y.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich. "TruBrake."
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 31, Calif.
Shepard-Thomason Co., 2033 W. Gage Ave., Los Angeles 47, Calif.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

GAGES, Cylinder

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Hydraulic brake.)
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo. "Centromatic." (Sole distributors. Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo.)
Standard Gage Co., Poughkeepsie, N. Y.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Swedish Gage Co. of America, 10641 Haggerty Ave., Dearborn 1, Mich.

GAGES, Cylinder, Compression

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y.
Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa. (Diesel engine.)
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Compressometer."
Fisher Products Corp., A. R., 21-21 44th Drive, Long Island City 1, N. Y.
Gale-Hall Engrg., North Hampton, N. H. "Jetmatic," "Test Master."
G. M. Co Mfg., Inc., 13-08 43rd Ave., Long Island City, N. Y.
Griswold Mfg. Co., F. T., Lancaster Pike, Devon, Pa. "Motorstat." (Leak tester.)
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Mack Products Co., 15 Putnam St., Winthrop, Mass.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Nasa Tool Mfg. Corp., New Vienna, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Republic Gage Co., 2220 Fenkell Ave., Detroit 21, Mich.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa.
Weidenhoff, Inc., Joseph, Algona, Iowa.

GAGES, Dial

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Bristol Co., Waterbury 20, Conn.
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Dow Mechanical Corp., Thompsonville, Calif.
Federal-Mogul Service, Detroit 13, Mich.
Federal Products Corp., 1144 Eddy St., Providence, R. I. (Indicator.)
Lincoln Park Industries, Inc., 1719 Ferris Ave., Lincoln Park 24, Mich. (Snap.)
Nilsson Gage Co., 255 Mansion St., Poughkeepsie, N. Y. "Nilco."
Rimat Tool Co., 21 W. Dayton St., Pasadena 2, Calif. (Bore.)
Standard Gage Co., Poughkeepsie, N. Y.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.

GAGES, Engine Vacuum

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y.
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Motor Peaker."
Gale-Hall Engineering, Inc., North Hampton, N. H.
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa. (Also for permanent installation on car.)
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Nasa Tool Mfg. Corp., New Vienna, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio.
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago 14, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Snow Plastics Corp., 5840 S. Oakley Ave., Chicago 36, Ill.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Syracuse Gauge Mfg. Corp., 702 W. Manlius St., East Syracuse, N. Y.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa.
Wallace & Tiernan Co., 25 Main St., Belleville 9, N. J.
Weidenhoff, Inc., Joseph, Algona, Iowa.

GAGES Gasoline, Dash Type

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich. (Electric.)
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Stewart-Warner Corp., Instrument Div., 1826 Diversey Pkwy., Chicago, Ill. (Electric.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa. (Electric.)

GAGES Gasoline, Tank Type

Boston Auto Gage Co., 70 West St., Pittsfield, Mass. "Triumph."
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
United Motor Service, General Motors Bldg., Detroit 2, Mich.

GAGES, Liquid Level, Storage Tank

Bristol Co., Instrument Div., 117 Bristol Rd., Waterbury, Conn.
Liquidometer Corp., 39-20 Skillman Ave., L. I. City, N. Y.
Scully Signal Co., 84 First St., Cambridge, Mass.
Tokheim Co., 119 C Ave., N.W., Cedar Rapids, Ia.
Uehling Instrument Co., 473 Getty Ave., Paterson 3, N. J.

GAGES, Oil Level

Bristol Co., Waterbury 20, Conn.
Electric Auto-Lite Co., Instrument Div., La Crosse, Wis.
Parkwood Mfg. Co., Hippodrome Bldg., Cleveland 15, Ohio. "Oil-Cue." (Instrument panel type; sole distributor.)
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Stewart-Warner Corp., Instrument Div., 1826 Diversey Pkwy., Chicago 14, Ill.

GAGES, Oil Pressure

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.

FLEET OWNERS
Specify and Standardize on

EberHARDWARE

for UNIFORMITY, INTERCHANGEABILITY and SERVICEABILITY

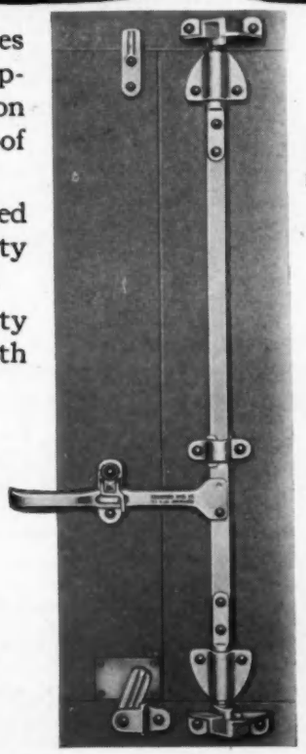
An Ounce of Preventive Maintenance

will prolong the service life of your truck body hardware and make for smoother operation involving less effort.
A few drops of oil or a touch with the grease stick where moving parts are involved will pay long term dividends.

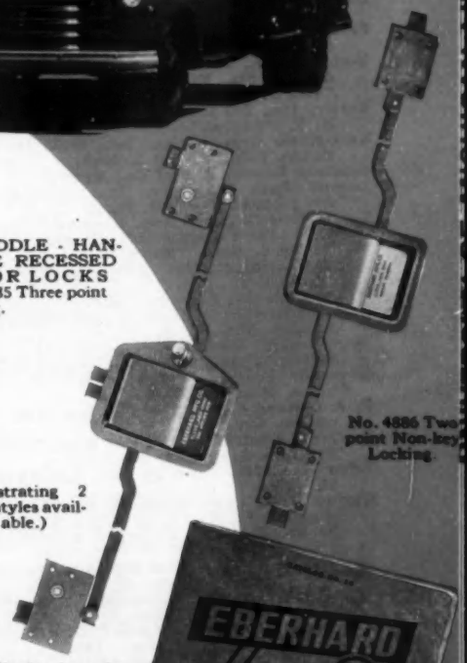
Profitable operation of new fleet bodies and the necessary maintenance of older equipment is dependent in no small measure upon the proper application and serviceability of the truck body hardware utilized.

That's why Eberhardware is specified as *standard* hardware by the big majority of fleet owners throughout the country.

Uniformity permits interchangeability and Eberhard's reputation for variety with quality is second to none.

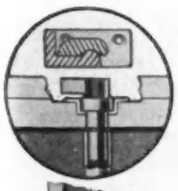


PADDLE - HANDLE RECESSED DOOR LOCKS
No. 4885 Three point Locking.



No. 4886 Two point Non-key Locking.

(Illustrating 2 of 8 styles available.)



EBER-"GRIP"-HARD
No. 5625 & 5625X
For Big Door Applications.
EBER-"GRIP"-HARD
JUNIOR
No. 5622 & 5622X
For Medium Door Applications.

The Eberhard catalog should be in your files It contains a wealth of information which has proved valuable to fleet owners everywhere. Write for your copy TODAY.

CAM TYPE LOCK WITH RECESSED HANDLE
No. 5660 For Side and Rear Doors

EBERHARD *Long Run* TRUCK BODY FITTINGS

EBERHARD MANUFACTURING CO.
EVARTS AVENUE CLEVELAND, OHIO
Division of the Eastern Malleable Iron Co.

GAGES, Oil Pressure—*continued*

Bristol Co., Waterbury 20, Conn.
Dunn Mfg. Co., 117 15th St., Clarinda, Iowa. "Majestic." (For Ford cars.)
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Schwarze Electric Co., Church St. at Payne Ave., Adrian, Mich. "Teloil." (For Ford cars.)
Stewart-Warner Corp., Instrument Div., 1826 Diversey Pkwy., Chicago, Ill.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa.

GAGES, Thickness or Feeler

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y.
Atmars Mechanico, 3561 Lakeshore Ave., Oakland 10, Calif.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Central Tool Co., 456 Wellington Ave., Cranston 10, R. I.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Federal Products Corp., 1144 Eddy St., Providence, R. I. (Dial indicator.)
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Akuret."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lincoln Park Industries, Inc., 1719 Ferris Ave., Lincoln Park 25, Mich.
Lufkin Rule Co., Hess Ave., Saginaw, Mich.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Miller Co., L. B., 394 State St., Stamford, Conn.
Millers Falls Co., Greenfield, Mass.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
P. & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Proto Tools, 2209 Santa Fe Ave., Los Angeles, 54, Calif.
Quality Tools Corp., Railroad St., New Wilmington, Pa.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Starrett Co., L. S., 1 Crescent St., Athol, Mass. (Also feeler stock.)
Tacony File & Hardware Co., 2814 N. Fourth St., Philadelphia 33, Pa. "Ideal."
Union Tool Co., 48 E. River St., Orange, Mass.
Van Keuren Co., 176 Waltham St., Watertown, Mass.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.
Zoerman-Clark Mfg. Co., Jackson, Mich.

GAGES, Tire Pressure

(See also Meters, Air Tower)

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Amseco Inc., 564 W. Randolph St., Chicago 6, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.
Druge Bros. Mfg. Co., 888 92nd Ave., Oakland 3, Calif. "Tru-Flate." (Sole distributors, Tru-Flate, Inc., 888 92nd Ave., Oakland 3, Calif.)
Electric Auto-Lite Co., Instrument Div., La Crosse, Wis.
G.M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis.
Syracuse Gauge Mfg. Corp., 702 W. Manlius St., East, Syracuse, N. Y. "Hand-D."

GAGES, Water Temperature

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Electric Auto-Lite Co., Instrument Div., La Crosse, Wis.
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich.
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Stewart-Warner Corp., Instrument Div., 1826 Diversey Pkwy., Chicago, Ill.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Gauge Div. of American Machine & Metals, Inc., Sellersville, Pa.

GAGES, Wheel and Axle Aligning

Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing 4, Mich. "Visualiner."
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Bender Equipment Co., J. H., 5430 Tweedy Blvd., South Gate, Calif. (Magnetic wheel.)
Bennett-Feragen, 1408 Jerome St., Niles, Mich.
Cornwell Quality Tools Co., Mogadore, Ohio. "Cornwell-Krumm."
Duby Co., John F., 744 Gallivan Blvd., Dorchester 22, Mass. "Duby," "Ideal."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Krumm Mfg. Co., T. F., 5150 Lewis Ave., Toledo 12, Ohio.
Kwik-Ezee, Inc., 17 W. 60th St., New York 23, N. Y.
Magnaline Co., 1615 Pine St., San Francisco 9, Calif.
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.
Merrill Engineering Laboratories, 1230 Lincoln St., Denver 3, Colo.
Mesco Products, Crete, Neb.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Sweeney Mfg. Co., B. K., 1601 23rd St., Denver, Colo. "Bazooka."

GAGES, Wheel & Axle

Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Stephenson Fdry. & Mfg. Co., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic."
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.
Wilco Products, Inc., 595 Valley St., Orange, N. J.
Zoerman-Clark Mfg. Co., Jackson, Mich.

GAS, Acetylene

Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York 17, N. Y. "Airco."
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Prest-O-Lite." (Cylinders.)
Liquid Carbonic Corp., Industrial Gas Div., Front & Porter Sts., Philadelphia 42, Pa. (Cylinders.)
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG." (Cylinders.)

GAS, Hydrogen

Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y.
Liquid Carbonic Corp., Industrial Gas Div., Front & Porter Sts., Philadelphia 42, Pa. (Cylinders.)
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG." (Cylinders.)

GAS, LP, See Fuels, Engine

GAS, Oxygen

Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York 17, N. Y. "Airco."
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio.
Independent Engineering Co., O'Fallon, Ill.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y.
Liquid Carbonic Corp., Industrial Gas Div., Front & Porter Sts., Philadelphia 42, Pa. (Cylinders.)
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG." (Cylinders.)

GASKETS, Asbestos

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa.
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass.
Chambers Gasket & Mfg. Co., 4701 W. Rice St., Chicago 51, Ill. "Superbestos."
Cleveland Gasket & Mfg. Co., 1610 W. 116th St., Cleveland 2, Ohio.
Consolidated Packing & Supply Co., 116 Nassau St., New York 38, N. Y. "Primrose," "Consolco."
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa. "Cooperbes."
Darcoid Co., 145 Sixth Ave., New York 13, N. Y. "Dominion."
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Wirepak."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket, Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
Greene, Tweed & Co., North Wales, Pa. "Palmetto."
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y. "J-M."
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia, Pa.
Marston Co., I. G., 226 Ruggles St., Boston 20, Mass.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div., Sheller Mfg. Corp., P. O. Box 9626, Norfolk 5, Va.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Rogers Corp., Goodyear, Conn.
United Packing & Gasket Engr. Corp., 511 Ogden Ave., Cicero 50, Ill.
Vellumoid Co., 54 Rockdale St., Worcester 6, Mass. "Velbestos"; "Wirebestos." (Wire woven.)
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.
Wolverine Fabricating & Mfg. Co., 2638 Princess Ave., Inkster, Mich.

GASKETS, Copper-Asbestos

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Fel-Pro Sealmaster."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Gasket Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich. "McKim."
United Packing & Gasket Engr. Corp., 511 Ogden Ave., Cicero 50, Ill.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill.
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

Janesville Sand & Gravel Co.

35 TRUCKS

5004 HORSEPOWER

RUNNING SMOOTHLY, ECONOMICALLY, WITH CITIES SERVICE LUBRICANTS

CITIES SERVICE

For any truck, the heavier the load, the tougher the job. And when that load is cement, and the truck must mix it too, the job becomes doubly tough. It means more working mechanisms, more actual wear points on that truck that must have expert lubrication . . . and the lubricants that have done an outstanding job for Janesville Sand & Gravel Co. are the finest ever produced by the petroleum industry . . . the complete line of Cities Service lubricants.

Says George Meyer, Janesville official: "Our experience enables us to recommend Cities Service oils and greases as well as the technical assistance Cities Service lubrication engineers so generously supply."

You'll hear a similar story wherever Cities Service lubricants are used. For better results with your trucks and plant machinery, call your nearest Cities Service representative or write Cities Service Oil Company, Sixty Wall Tower, New York 5, N. Y.

GASKETS, Cork

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Airtex Products, Div. Airtex Products Inc., Fairfield, Ill.
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Armstrong Cork Co., Industrial Div., Lancaster, Pa.
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Automotive Products Div., Crotty Corp., 39 E. Chicago Ave., Quincy, Mich.
Chambers Gasket & Mfg. Co., 4701 W. Rice St., Chicago 51, Ill. "Durocork," "Supercork."
Chicago Cork Works Co., 5289 N. Avondale Ave., Chicago 30, Ill.
Cleveland Gasket & Mfg. Co., 1602 W. 116th St., Cleveland 2, Ohio.
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa.
Coyne & Paddock, Inc., 40-09 21st St., Long Island City 1, N. Y.
Crang Co., J. M., 2671 Main St., Buffalo 14, N. Y.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Fel-Pro," "Carrocork."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn. "Fitz-Cork."
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket, Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
General Cork Co., 1155 Manhattan Ave., Brooklyn 22, N. Y.
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich. "McKim."
Marston Co., I. G., 226 Ruggles St., Boston 20, Mass.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div. Sheller Mfg. Corp., P. O. Box 9626, Norfolk 5, Va.
Mundet Cork Corp., 7101 Tonnelle Ave., North Bergen, N. J. "Jointite."
Philadelphia Gasket & Mfg. Co., F & Atlantic Sts., Philadelphia 34, Pa.
Rhopar Inc., 3425 Cleveland St., Skokie, Ill.
Sutherland Leather & Felt Co., 743 Beaubien St., Detroit 26, Mich.
United Packing & Gasket Engr. Corp., 511 Ogden Ave., Cicero 50, Ill.
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.
Wolverine Fabricating & Mfg. Co., 2638 Princess Ave., Inkster, Mich.

GASKETS, Fibrous and Paper

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Advance Felt & Gasket Co., 663 W. Washington Blvd., Chicago, Ill.
Airtex Automotive Div., Airtex Products Inc., Fairfield, Ill.
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa.
Armstrong Cork Co., Industrial Div., Lancaster, Pa. "Accopas."
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Automotive Products Div., Crotty Corp., 35 E. Chicago Ave., Quincy, Mich.
Automotive Research & Mfg. Co., 1085 Iris Pl., Westbury, N. Y.
Brandywine Fibre Products Co., 15th & Poplar Sts., Wilmington, Del.
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass.
Chambers Gasket & Mfg. Co., 4701 W. Rice St., Chicago 51, Ill. "Super-Pak."
Cleveland Gasket & Mfg. Co., 1602 W. 116th St., Cleveland 2, Ohio.
Consolidated Packing & Supply Co., 116 Nassau St., New York 38, N. Y. "Wisoid."
Continental-Diamond Fibre Co., Newark 10, Del. "Diamond."
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa. "Gaskoid," "Korkite."
Crang Co., J. M., 2671 Main St., Buffalo 14, N. Y.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich. "DeLoid," "Korkoid," "Springold."
Excelsior Leather Washer Mfg. Co., 720 Chestnut St., Rockford, Ill. "X-L."
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Karropak."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.
Houser Engrg. & Mfg. Co., Bluffton, Ind.
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y.
Keystone Gasket Mfg. Co., 333 N. Fourth St., Philadelphia 23, Pa.
Kuehn Co., N. L., 407 W. Highland Ave., Milwaukee 3, Wis.
Latex Fiber Industries, Inc., Beaver Falls, N. Y.
Marston Co., I. G., 226 Ruggles St., Boston 20, Mass.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Merrimac Paper Co., 295 Madison Ave., New York 17, N. Y.
Mitchell & Smith Div., Sheller Mfg. Corp., P. O. Box 9626, Norfolk 5, Va. "M & S."
Penn Fibre & Specialty Co., 2024 E. Westmoreland St., Philadelphia 34, Pa.
Philadelphia Gasket & Mfg. Co., F & Atlantic Sts., Philadelphia 34, Pa.
Presstite Engrg. Co., 3900 Chouteau St., St. Louis 10, Mo.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Rogers Corp., Goodyear, Conn.
Taylor Fibre Co., Norristown, Pa.
Vellumoid Co., 54 Rockdale St., Worcester, Mass. "Vellumoid," "Vellutex."
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. "Victorite," "Ferropac."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington, Del.
Wisconsin Gasket & Mfg. Co., 8724A N. Granville Rd., Granville, Wis.
Wolverine Fabricating & Mfg. Co., 2638 Princess Ave., Inkster, Mich.

GASKET COMPOUNDS

Cabot, Inc., Samuel, 141 Milk St., Boston 9, Mass. "Plasgon."
Carborundum Company, Niagara Falls, N. Y
Dewey & Almy Chemical Co., 62 Whittemore Ave., Cambridge 40, Mass.
Duroyd Gasket & Die Mfg. Co., 1828 Amsterdam Ave., New York, N. Y.
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite," "Fidelity."
Flexrock Co., Packing Div., 36th & Filbert Sts., Philadelphia 4, Pa. "Plastic Gasket."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
P. O. B. Mfg. Co., 3215 Colerain Ave., Cincinnati, Ohio. "Gasket-Makers."
Pep Mfg. Co., 33 W. 42nd St., New York, N. Y. "Gasket Goo." (In tubes.)
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y. "Form-A-Gasket."
Stanley Co., John T., 642 W. 30th St., New York, N. Y. "Mobo."
Warehouse Distributors Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

GASOLINE, See Fuels, Engine

GASOLINE FILTERS, See Filters, Gasoline

GATES, Truck, Folding

Atlas Fence Co., 3644 Richmond St., Philadelphia 34, Pa.
Bustin Steel Products, Inc., 110 E. 130th St., Dover, N. J.
Cleveland Chain & Mfg. Co., Broadway & Chaincroft Rd., Cleveland 5, Ohio. (Chain.)
Gate Co. of America, Detroit, Mich.
Logan Co., Cabel St., Louisville 6, Ky.
Roll-O-Matic Chain Co., 200 Wyandotte St., Kansas City 6, W. Mo. (Chain.)
Zehr Products Co., 2130 E. Hazzard St., Philadelphia 25, Pa. (Folding wire.)

GEAR PULLERS, See Pullers, Bearing, Gear and Wheel

GEARS, Flywheel Ring

Automotive Gear Works, Inc., Eighth & S. O Sts., Richmond, Ind. "Double Diamond."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Springfield Mfg. Co., Bechtle Ave. & Columbia St. Springfield, Ohio. "Excelsior."
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

GEARS, Landing, Trailer

Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Binkley Mfg. Co., Warrenton, Mo.
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton 1, Ohio.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Hammer Blow Tool Co., 10940 Harper Ave., Detroit 32, Mich.
Holland Hitch Co., 430 W. 18th St., Holland, Mich.
Homan & Co., Inc., 511 Reading Rd., Reading, Cincinnati 15, Ohio.
Utility Trailer Mfg. Co., P. O. Box 3608 Terminal Annex, Los Angeles 54, Calif.

GEARS, Steering, Manual

Gemmer Mfg. Co., 6400 Mt. Elliott Ave., Detroit 11, Mich.
Monroe Auto Equipment Co., 1426 E. First St., Monroe, Mich. (Hydraulic.)
Ross Gear & Tool Co., 800 Heath St., Lafayette, Ind.
Saginaw Steering Gear Div., General Motors Corp., 3900 Holland Rd., Saginaw, Mich.

GEARS, STEERING POWER, See Steering, Power

GEARS, Timing, Metallic and Non-Metallic

Al-Fin Div., Fairchild Engine & Airplane Corp., Farmingdale, L. I., N. Y. (Aluminum with bonded in steel hubs, semi-finished.)
Amgears, Inc., Sub. Hupp Corp., 6633 W. 65th St., Chicago 38, Ill.
Aro Equipment Corp., Cleveland Div., 2040 E. 77 St., Cleveland 3, Ohio.
Bangor Plastics, Inc., Bangor, Mich.
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg-Warner."
Chicago Gear Works, 440 N. Oakley Blvd., Chicago 12, Ill.
Cloyes Gear Works, Inc., 17214 Roseland Rd., N. E., Cleveland 12, Ohio.
Continental-Diamond Fibre Co., Newark 10, Del. "Celoron."
D & B Mfg. Co., 2312 S. Indiana Ave., Chicago, Ill.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Dittmer Gear & Mfg. Corp., 193 Grand St., Lockport, N. Y.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Fairfield Mfg. Co., State Rd. #52, Lafayette, Ind.
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill. (Metallic.)
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade. Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Timing Gears Corp., 2801 Fulton St., Chicago 12, Ill. "Cy-lent."
Wells, Inc., Martin, 5886 Compton Ave., Los Angeles 1, Calif. "Martin Wells."
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa. "Micarta." (Non-metallic.)
Wolverine Gear & Parts Co., Osseo, Mich. (Non-metallic.)

GEARS, Transmission

Amgears, Inc., Sub. Hupp Corp., 633 W. 65th St., Chicago 38, Ill.
Aro Equipment Corp., Cleveland Div., 2040 E. 77 St., Cleveland 3, Ohio.
Automotive Gear Works, Inc., 8th & S. O. Sts., Richmond, Ind. "Double Diamond."
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Warner."
Clark Equipment Co., Gear & Forge Div., Horton & Tyson Sts., Jackson, Mich.
Cotta Transmission Co., 2340 11th St., Rockford, Ill.

Spher-O-Honed MEANS Quality IN BOWER TAPERED ROLLER BEARINGS...

HONED RACEWAYS

MATCHING CONTOURS OF RACEWAYS AND ROLL ENDS

HIGH FLANGE

EVEN DISTRIBUTION OF BEARING LOADS

LARGE OIL GROOVE

SURE LUBRICATION, SMOOTH QUIET OPERATION

Ask your Federal-Mogul Jobber!

FEDERAL-MOGUL SERVICE

Division Federal-Mogul Corporation

DETROIT 13, MICHIGAN

Also: Straight roller bearings, journal roller assemblies.

BEARING FEDERAL Mogul SERVICE

GEARS, Transmission—*continued*

Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Detroit Gear Div. Borg-Warner Corp., 12345 Kerchavel Ave., Detroit 14, Mich.
Dittmer Gear & Mfg. Corp., 193 Grand St., Lockport, N. Y.
Fairfield Mfg. Co., State Rd. #52, Lafayette, Ind.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Levene Motor Co., 6245 State Rd., Philadelphia 35, Pa.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 10, Ill. "Hy-Power."
New Process Gear Co., 500 Plum St., Syracuse, N. Y. (Truck and tractor.)
Perfection Gear Co, 152nd St. & Vincennes Ave., Harvey, Ill.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Warner Automotive Parts Div., Borg-Warner Corp., S. Wayne St., Auburn, Ind.

GEARS and PINIONS, Rear Axle

(For complete units—See Differentials)

Aro Equipment Corp., Cleveland Div., 2040 E. 77 St., Cleveland 3, Ohio.
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Warner."
Clark Equipment Co., Gear & Forge Div., Horton & Tyson Sts., Jackson, Mich.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Fairfield Mfg. Co., State Rd. #52, Lafayette, Ind.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Levene Motor Co., 6245 State Rd., Philadelphia 35, Pa.
New Process Gear Co., 500 Plum St., Syracuse, N. Y.
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Warner Automotive Parts Div., Borg-Warner Corp., S. Wayne St., Auburn, Ind.

GEARS, Worm Drive

Amgears, Inc., Sub. Hupp Corp., 633 W. 65th St., Chicago 38, Ill.
Aro Equipment Corp., Cleveland Drive, 2040 E. 77th St., Cleveland 3, Ohio.
Baush Machine Tool Co., 156 Wason Ave., Springfield, Mass.
Beaver Gear Works, Inc., 1025 Parmele St., Rockford, Ill.
Boston Gear Works, Div. Murray Corp., 14 Hayward St., Quincy 71, Mass.
Chicago Gear Works, 440 N. Oakley Blvd., Chicago 12, Ill.
Cleveland Worm & Gear Co., 3249 E. 80th St., Cleveland 4, Ohio. "C. W. & G. Co."
Eberhardt-Denver Co., 1408 W. Colfax Ave., Denver 4, Colo.
Fairfield Mfg. Co., State Rd. No. 52, Lafayette, Ind.
L. M. Gear Co., 23120 Gratiot Ave., East Detroit, Mich.
Meisel Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
Ohio Forge & Machine Corp., 3010 Woodhill Rd., Cleveland 4, Ohio.
X. L. Gears, Inc., 69 Prospect St., Newark 5, N. J.

GENERATORS

American Bosch Div. American Bosch Arms Corp., 3664 Main St., Springfield 7, Mass. "American Bosch Volt-O-Matic."
American Generator & Armature Co., 2614 W. 48th St., Chicago 32, Ill. (Battery charging.)
Arrow Armatures Co., 15 Fordham Rd., Boston 34, Mass. (Rebuilt.)
Electric Auto-Lite Co., Owens-Dyneto Corp., 1930 Park St., Syracuse, N. Y.
Delco-Remy, Div. General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite."
General Armature & Mfg. Co., Mill Hall, Pa.
Leece-Neville Co., 5363 Hamilton Ave., Cleveland 14, Ohio. "L-N." (Bus and truck.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.

GENERATORS SETS, Portable

Duplex Truck Co., Lansing, Mich.

GLASS, Safety

American Window Glass Co., 1600 Farmers' Bank Bldg., Pittsburgh 22, Pa.
Auto Glass Mfg. Co., 8701 Brinnell Ave., Detroit 13, Mich. "AGM."
Glass Products, Inc., 9 W. Park Way, Pittsburgh 12, Pa. "Supratest."
Globe Auto Glass Co., 2501 S. Dearborn St., Chicago 16, Ill. "GMC."
Libbey-Owens-Ford Glass Co., 620 Madison Ave., Toledo 3, Ohio. "HiTest."
Pittsburgh Plate Glass Co., 2200 Grant Bldg., Pittsburgh 19, Pa. "Duplate," "Duolite," "Multiplate," "Herculite," "Solex," "Twindow."
Protecto Safety Glass Co., 82-04 Cooper Ave., Brooklyn 27, N. Y. (Bullet-resistant.)
Safetee Glass Co., 4717 Stenton Ave., Philadelphia 44, Pa.
Shatterproof Glass Co., 4815 Cabot Ave., Detroit 10, Mich. "Shat-R-Proof."

GOVERNORS, Engine

Dale Hydraulic Controls, Inc., South & Pleasant Sts., Rockford, Ill. (Hydraulic.)
Electric Auto-Lite Co., Toledo 1, Ohio.
Holley Carburetor Co., 5930 Vancouver Ave., Detroit 4, Mich.
Hoof Products Co., 11955 E. Nine Mile Rd., Van Dyke, Mich.
King-Seeley Corp., 315 S. Firth St., Ann Arbor, Mich. "Handy" & "K-S."
Mallory Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich. (Combination governor and distributor.)
Monarch Governor Co., 1832 W. Bethune Ave., Detroit 6, Mich.
Pierce Governor Co., 1615 Ohio Ave., Anderson, Ind.
Safety Speed Control Co., 7800 N. E. Fourth Court, Miami 38, Fla.
Wilkerson Corp., 1601 W. Girard Ave., Englewood, Colo. (Truck and bus.)
Woodward Governor Co., 5001 N. 2nd St., Rockford, Ill. (For Diesel engines.)
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich. (Also "Zenith Gov-U-Retor" combination carburetor and governor.)

GRAPHITE, Lubricating

American Grease Stick Co., Muskegon, Mich.
Acheson Colloids Co., 1925 Washington Ave., Port Huron, Mich. "Glydag," "Oildag," "Dag," Aquadag," "Castordag."
Boyle-Midway Inc., 22 E. 40th St., New York, N. Y. "Kant Rust."
Bush & Co., A. G., 2632 N. Central Ave., Chicago 39, Ill. "Slick-Spray."
Dixon Crucible Co., Joseph, Jersey City 3, N. J.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Electrofilm Corp., 7116 Laurel Canyon Blvd., N. Hollywood, Calif.
Hill & Griffith Co., 1262 State St., Cincinnati 4, Ohio.
Superior Flake Graphite Co., 1531 First National Bank Bldg., Chicago 3, Ill. "Motorflake," "Superflake."
United States Graphite Co., 1621 Holland Ave., Saginaw, Mich. "Mexican."
Van Cleef Bros., Inc., 7800 S. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand."

GREASE, CHASSIS, See Oils and Lubricants
GREASE GUNS, HAND, See Lubricators, Hand
GREASE GUNS, PUMPS, CABINETS AND BUCKETS, HIGH PRESSURE, See Lubricators, Portable, High Pressure
GREASE RETAINERS, See Retainers, Oil and Grease

GRILLES, Radiator

Ainsworth Mfg. Corp., 2200 Franklin St., Detroit 7, Mich.
Aluminum Goods Mfg. Co., Manitowoc, Wis.
Automotive Grille Co., 2111 S. Michigan St., Chicago, Ill.
Blackstone Mfg. Co., 4630 W. Harrison St., Chicago 44, Ill.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Detroit Grille Mfg. Co., 258 E. Vernor Highway, Detroit 1, Mich.
Doehler Die-Casting Co., 386 Fourth Ave., New York, N. Y.
Douglas & Lomason Co., 5836 Lincoln Ave., Detroit 8, Mich.
Excel Corp., 1120 N. Main St., Elkhart, Ind. "XL." (For White trucks.)
Globe Stampang Div., Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Greene Mfg. Co., 1028 Douglas Ave., Racine, Wis.
Helms Industrial Development Co., 2730 Scotten St., Detroit, Mich.
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich.
Motor Products Corp., 11801 Mack Ave., Detroit 14, Mich.
Saginaw Industries Co., 2119 S. Jefferson Ave., Saginaw, Mich. (For Ford and Chevrolet.)
Zenite Metal Corp., 201 N. West St., Indianapolis 7, Ind.

GRILLES, Rolling, for Doorways

Kinnear Mfg. Co., 2100-20 Fields Ave., Columbus 16, Ohio.

GRINDERS, Bench

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa, "Sioux."
Atlas Press Co., 1842 N. Pitcher St., Kalamazoo, Mich.
Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo.
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Blount Co., J. G., 10 Woodland St., Everett 49, Mass.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Metalmaster."
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Delta Power Tool Div. Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh 8, Pa. "Delta-Milwaukee."
Diehl Mfg. Co., Finderme Plant, 1011 Finderme Ave., Somerville, N. J.
Dumore Co., 1300 17th St., Racine, Wis.
Evans Reamer & Machine Co., New Lexington, Ohio.
Hammond Machinery Builders, Inc., 1621 Douglas Ave., Kalamazoo 54, Mich.
Hisey-Wolf Machine Co., Div. Cincinnati Electrical Tool Co., Madison St. & Edwards Rd., Cincinnati 8, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Lima Electric Motor Co., Findlay Rd., Lima, Ohio.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5350 W. State St., Milwaukee 8, Wis.
Portable Electric Tools, Inc., 320 W. 83 St., Chicago 20, Ill. "Hi-Power," "Super Duty."
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Richards Co., J. A., 903 N. Pitcher St., Kalamazoo 60F, Mich.
Schauer Machine Co., 4500 Alpine Ave., Rossmoyne, Ohio.
Skil Corp., 5033 Elston Ave., Chicago, Ill. "SkilGrinder."
Speed Way Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Standard Electrical Tool Co., Mt. Hope & River Rd., Cincinnati 4, Ohio.
Stanley Electric Tool Div. of Stanley Works, 480 Myrtle St., New Britain, Conn.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Co., 3620 Llewelyn St., Cincinnati 23, Ohio.
Valley Electric Corp., 4221 Forest Park Blvd., St. Louis, Mo.
Walker-Turner Div., Kearney & Trecker Corp., 900 North Ave., Plainfield, N. J.
Wickman Mfg. Co., 10325 Capital Ave., Oak Park, Detroit 37, Mich. "Wickman-Neven." (Carbide.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Wissota Mfg. Co., 1301 S. 3rd St., Minneapolis, Minn.

ichigan St.,
arrison St.,
Line St.,
ernor High-
h Ave., New
incoln Ave.,
lkhart, Ind.
., 1250 W.
ve., Racine,
2730 Scot-
, Detroit 1,
Ave., De-
ferson Ave.,
Chevrolet.)
St., Indian-
ys
ve., Colum-
Sioux City,
St., Kala-
Ave., St.
ennsylvania
Everett 49,
Evans St.,
er."
09 Madison
g. Co., 400
gh 8, Pa.
1011 Fin-
Wis.
Lexington,
Inc., 1621
ich.
nnati Elec-
Edwards
nham Rd.,
Rd., Lima,
e., Chicago
W. State
W. 83 St.,
per Duty."
Salina St.,
St., Kala-
Ave., Ross-
icago, Ill.
ve., Cicero
Hope &
ey Works,
nn.
urora, Ill.
Co., 3620
o.
ark Blvd.,
ker Corp.,
Ave., Oak
n-Neven."
3, N. Y.
nneapolis,
ber, 1954

LOS ANGELES—Wheel Industries, Inc.
LOUISVILLE—Auto Wheel & Rim Service
LUBBOCK—Southwest Wheel, Inc.
MEMPHIS—Beller Wheel, Brake & Supply Co.
MILWAUKEE—Aring Equipment Co., Inc.
MOLINE—Mutual Wheel Co.
NASHVILLE—Beller Wheel, Brake & Supply Co.
NEWARK—Automotive Safety Inc.
NEW HAVEN—Connecticut Wheel & Rim Co.
NEW ORLEANS—Southern Wheel & Rim Co.
NEW YORK—Wheels, Incorporated
OKLAHOMA CITY—Southwest Wheel, Inc.
OMAHA—Morgan Wheel & Equipment Co., Inc.
PEORIA—Peoria Wheel & Rim Co.
PHILADELPHIA—Thomas Wheel & Rim Co., Inc.
PITTSBURGH—Wheel & Rim Sales Co.
PORTLAND—Six Robblees', Inc.
PROVIDENCE—New England Wheel & Rim Company
RALEIGH—Carolina Rim & Wheel Co.
RICHMOND—Dixie Wheel Co., Inc.
ROCHESTER—Frey, the Wheelman, Inc.
SALT LAKE CITY—Henderson Rim & Wheel Service
SAN ANTONIO—Southwest Wheel & Equipment Co.
SAN FRANCISCO—Wheel Industries, Inc.
SEATTLE—Six Robblees', Inc.
SOUTH BEND—Wire & Disc Wheel Sales & Service
SPOKANE—Bearing & Rim Supply Co.
SPRINGFIELD, ILL.—Illinois Wheel & Brake Co.
SPRINGFIELD, MO.—Borbein, Young & Co.
ST. LOUIS—Borbein, Young & Co.
ST. PAUL—Wheel Service Co.
SYRACUSE—Colbourn Wheel & Rim Service, Inc.
TACOMA—Six Robblees', Inc.
TOLEDO—Wheel & Rim Sales Co.
WICHITA—Borbein, Young & Co.
WINSTON-SALEM—United-Automotive Service

EXPORT

CLEVELAND—C. O. Brandes, Inc.

CANADA

CALGARY—Mutual Supplies, Ltd.
EDMONTON—Alberta Wheel Distributors, Ltd.
MONTREAL—Auto Wheels & Supplies, Ltd.
TORONTO—Wheel & Rim Co. of Canada, Ltd.
VANCOUVER—Wheels & Equipment, Ltd.
WINNIPEG—Ft. Garry Tire Service Ltd.

GRINDERS, Brake Drum

Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 3, Calif.
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.

GRINDERS, Brake Lining and Shoe

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Grinders.)
Evans Reamer & Machine Co., New Lexington, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 3, Calif.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason." (Combination brake lining and brake shoe grinding.)
Wilder Co., M. B., 2024 St. Mary's Ave., Omaha 2, Nebr. "Morris." (Also combination countersinking, riveting and grinding machine.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (For Ford cars.)

GRINDERS, Crankshaft

Evans Reamer & Machine Co., New Lexington, Ohio.
Landis Tool Co., Sixth & Ringold Sts., Waynesboro, Pa.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Portable.)
Norton Co., 1 New Bond St., Worcester 6, Mass.
Storm-Vulcan, Inc., 2504 Commerce St., Dallas 1, Tex.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo. (Attachment.)
Van Norman Co., 3640 Main St., Springfield 7, Mass.
Waterbury Tool, Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 91, Conn. (Portable.)
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Intheblok." (Portable.)

GRINDERS, Cylinder

Heald Machine Co., 14 New Bond St., Worcester 6, Mass.
Landis Tool Co., Sixth & Ringold Sts., Waynesboro, Pa.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.

GRINDERS, Drill

Black Diamond Saw & Machine Works, 81 North Ave., Natick, Mass.
Consolidated Machine Tool Corp., Winton & Blossom Rd., Rochester 10, N. Y. "Sellers."
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich.
Dunmore Co., 1300 17th St., Racine, Wis.
Gallmeyer & Livingston Co., 346 Straight Ave., Grand Rapids 4, Mich. "Grand Rapids."
Hisey-Wolf Machine Co., Div. Smith & Mills Co., 2889 Spring Grove Ave., Cincinnati 25, Ohio.
La Salle Tool Co., 507 W. Washington St., Chicago 8, Ill. "American."
McDonough Mfg. Co. (Machine Tool Dept.), Eau Claire, Wis. "Sterling."
Oliver Instrument Co., 1410 E. Maumee St., Adrian, Mich.
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn.
Ten Eyck Industries, Fred F., 758 S. Irolo St., Los Angeles 5, Calif.

GRINDERS, Piston Ring

Arter Grinding Machine Co., 15 Sagamore Rd., Worcester 5, Mass.
Heald Machine Co., 14 New Bond St., Worcester 6, Mass.
Lehman Machine Co., 3560 Chouteau Ave., St. Louis 3, Mo.

GRINDERS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "Hicycle," "Supercycle."
Chicago Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Dremel Mfg. Co., 2420 18th St., Racine, Wis. "Moto-Tool."
Dumore Co., 1300 17th St., Racine, Wis.
Duro Metal Products Co., 2649 N. Kildare St., Chicago 39, Ill.
Frankman Balmar Corp., N. A. Strand Div., 3500 Clipper Mill Rd., Woodberry, Baltimore 11, Md. "Diskette."
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock-Out."
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee, Wis.
Precise Products Corp., 1328 Clark St., Racine, Wis.
Rotor Tool Co., 23600 Lakeland Ave., Cleveland 23, Ohio.
Stow Mfg. Co., 443 State St., Binghamton, N. Y.

GRINDERS, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Madison-Kipp Corp., 201 Waubesa St., Madison, Wis. "Kip."
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio.
Onsrud Machine Works, Inc., 3900 Palmer St., Chicago 47, Ill.
Rotor Tool Co., 23600 Lakeland Ave., Cleveland 23, Ohio.
Schramm, Inc., West Chester, Pa.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.

GRINDERS, Valve Seat, Portable, Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md. "Vibro-Centric."
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Grinder."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Co., 3620 Llewelyn St., Cincinnati 23, Ohio.
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Feather Touch."

GUARDS, Bumper

Brown-Lipe-Chapin, Div. General Motors Corp., Town Line Rd., Syracuse, N. Y.
Bumper Guard Co., 277 Washington Ave., Memphis, Tenn. "Bump-R-Gard."
Campbell Co., A. S., 161 Prescott St., East Boston 28, Mass.
Chadwick, Inc., 7th St. & Keystone Ave., Darby, Pa.
Eaton Mfg. Co., Stamping Div., 755 E. 140th St., Cleveland 10, Ohio.
Globe Stamping Div., Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Hamlin Metal Products Co., 58 Exchange St., Akron, Ohio.
Houdaille-Hershey Corp., 800 E. Garfield St., Decatur, Ill.
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich.
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich.
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio.
United Spring & Bumper Co., 4951 Alcoa Ave., Los Angeles 58, Calif.

GUARDS, Radiator, Grille and Fender

American Forging & Socket Co., P. O. Box 123, Pontiac, Mich. (Radiator Grille.)
Bustin Steel Products, Inc., Dover, N. J. (Truck radiator.)
Calco Steel Products Co., 23-29 New England Ave., Dorchester 24, Mass. (Grille, for trucks.)
Campbell Co., A. S., 161 Prescott St., East Boston 28, Mass.
Cello Products Co., 161 Prescott St., East Boston 28, Mass.
Central Motor Co., 906 Austin Ave., Waco, Tex. "Protector."
Champion Sheet Metal Co., 2 Squires St., Cortland, N. Y. (Radiator grille to order.)
Gichner Iron Works, Inc., Fred S., 1214-24th St., N. W., Washington 7, D. C.
Globe Stamping Div., Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Hamlin Metal Products Co., 58 Exchange St., Akron, Ohio.
Helms Industrial Development Co., 2730 Scatten St., Detroit, Mich.
Hutchinson Co., 5931 St. Vincents Ave., Shreveport, La. "Redi-Fit."
Knight Co., Geo. C., 19720 W. Eight Mile Rd., Detroit 35, Mich. (Grille.)
Lincoln Metal Products Corp., 179 South St., Newark, N. J. (Radiator, for Ford cars.)
Logan Co., Cabel St., Louisville 6, Ky.
Mullins Mfg. Co., 605 S. Ellsworth St., Salem, Ohio. (Truck and tractor.)
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio.
Stevens Mfg. Co., 413 E. Pickard St., Mt. Pleasant, Mich.

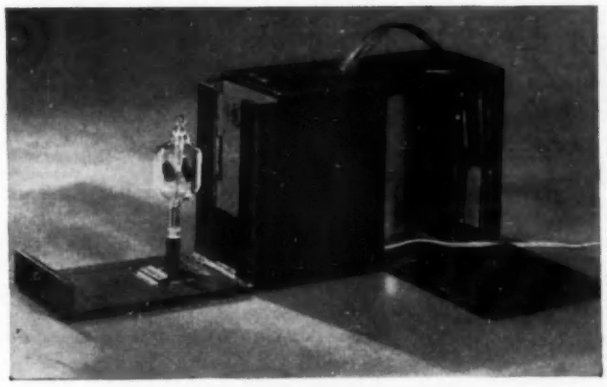
GUARDS, Splash

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Anchor Rubber Products, Inc., 1725 London Rd., Cleveland 12, Ohio.
Better Monkey Grip Co., 5320 Harry Hines Blvd., Dallas 2, Tex. (Truck; Sole distributors, Monkey Grip Sales Co., 5370 Harry Hines Blvd., Dallas 2, Tex.)
Blackstone Mfg. Co., 4630 W. Harrison St., Chicago 44, Ill.
Boston Woven Hose & Rubber Co., Cambridge, Mass. (Postal address, Box 1071, Boston 3, Mass.)
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Buxbaum Co., 1212 7 St., S.W., Canton 1, Ohio.
Cello Products Co., 161 Prescott St., East Boston 28, Mass.
Century Sales Co., 709 Palisades Dr., Akron 3, Ohio.
Dallas Mfg. & Sales Co., Box 7181, Dallas, Tex. "Guard-A."
Doan Mfg. Corp., 1761 London Rd., Cleveland 12, Ohio.
Fargo Rubber Corp., 137 E. 58 St., Los Angeles 11, Calif.
Franklin Industries, Box 44, Acton, Ind.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Globe Stamping Div., Hupp Corp., 1250 W. 76th St., Cleveland 12, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron 18, Ohio.
Lee Rubber & Tire Corp., Conshohocken, Pa.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Randall Co., 5000 Spring Grove Ave., Cincinnati 32, Ohio.
Regal Motor Products, Inc., 6324 Grand River Ave., Detroit 8, Mich.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
United Metal Craft Co., 800 Lowell St., Ypsilanti, Mich. "Flexi-Fend."
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.

GUARDS, Tire Inflating

Belmont Body Builders, 175 Belmont Ave., Newark 3, N. J.
Branick Mfg. Co., Fargo, N. D.
Bustin Iron Works, Inc., Dover, N. J. "Swing-A-Way."
E-Z Lift Mfg. Co., Div. Brummeler Steel Products Corp., 1415 Ionia Ave., S. W., Grand Rapids, Mich.
Kirspel Industries, Inc., Livingston, N. J.
Myers Tire Supply Co., 816 E. Market St., Akron 5, Ohio.

Isn't E-Z-Eye a good sight saver?



SEE THIS TEST RIGHT AT YOUR DESK

Prove to yourself the great difference in solar heat transmission between ordinary untinted windshields and E-Z-Eye. Ask for a radiometer demonstration. Write: Dept. 54114, Libbey-Owens-Ford Glass Company, 608 Madison Ave., Toledo 3, Ohio, and we'll send a man to your desk.

Nagging glare takes a lot out of your drivers. Makes them eye-weary and tired. And dangerous—to themselves and to you.

So make sure *all* your trucks are equipped with windshields of glare-reducing E-Z-Eye Safety *Plate* Glass. E-Z-Eye windshields are available with a *shaded band* at the top that gives eyes extra protection against sky glare in the high-brightness zone.

E-Z-Eye also helps keep solar radiation from pouring through the windshield and heating the cab like an oven.

For added driver comfort, E-Z-Eye Safety Glass is also available for side windows.

Don't take unnecessary chances. Get E-Z-Eye in your next truck.

• LIBBEY · OWENS · FORD GLASS CO., TOLEDO 3, OHIO

E-Z-EYE SAFETY PLATE

with the shaded windshield

Reduces Glare, Eyestrain, Sun Heat

E-Z-EYE SAFETY PLATE

GUIDES, Valve

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio.
American Auto Parts Co., 919 Bonham Ave., Columbus 3, Ohio.
Beckett Bronze Co., 20th & S. Walnut Sts., Muncie, Ind. (Bronze.)
Burd Piston Ring Co., Div. of Gabriel Co., 1401 23rd Ave., Rockford, Ill.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Mfg. Co., 2045 Martindale Ave., Indianapolis 7, Ind.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Hub City Iron Co., 218 First Ave., S. W., Aberdeen, S. D.
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N Y.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Standard Automotive Parts Co., 660 Nims St., Muskegon, Mich.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.
Wolverine Gear & Parts Co., Osseo, Mich.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich. (For Ford cars.)

HAMMERS, Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Chambersburg Engineering Co., Derbyshire St., Chambersburg, Pa. "Ceco-Drop," "Impacter."
Erie Foundry Co., 1253 W. 12th St., Erie, Pa.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Lobdell United Co., P. O. Box 1108, Wilmington 99, Del. "Nazel."
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio. "Master Power." (Portable.)
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.
Williams, White & Co., Third Ave. & Eighth St., Moline, Ill.

HAMMERS, Portable Electric

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Hamer-Dril Co., Box 158, Planetarium Station, N. Y., N. Y.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5350 W. State St., Milwaukee 8, Wis.
Stanley Electric Tool Div. of Stanley Works, 480 Myrtle St., New Britain, Conn.
Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor-Nado."

HARDWARE, Bus

Attwood Brass Works, 303 Douglas St., N.W., Grand Rapids, Mich.
Bath Co., Cyril, Metal Form Div., 32280 Aurora Rd., Solon, Ohio.
Hansen Mfg. Co., A. L., 5037 Ravenswood Ave., Chicago 40, Ill.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub." (Stanchions and grab rails.)
Tompkins, H. S., 82 Dey St., New York 7, N. Y.
Troy Sunshade Co., Troy, Ohio. (Stanchions and grab rails.)
Woodlin Metal Products Co., Marshall, Mich.

HARDWARE, Truck Body

Adams & Westlake Co., 1019 N. Michigan St., Elkhart, Ind.
American Forging & Socket Co., P. O. Box 120, Pontiac, Mich. (Hood locks, etc.)
Attwood Brass Works, Inc., 303 Douglas St. N. W., Grand Rapids, Mich. (Also trailer.)
Atwood Vacuum Machine Co., 2500 N. Main St., Rockford, Ill.
Auld Co., D. L., Fifth Ave. & Fifth St., Columbus, Ohio.
Bassick Co., 437 Howard Ave., Bridgeport 2, Conn.
Binkley Mfg. Co., Warrenton, Mo. (Hinges, brackets, etc.)
Bordner Mfg. Co., E. Album St., Freeport, Ill. (Refrigerator truck.)
Campbell Co., A. S., 161 Prescott St., East Boston 28, Mass.
Chicago Lock Co., 2024 N. Racine Ave., Chicago 14, Ill. (Hood locks.)
Cinch Mfg. Co., 1026 S. Homan St., Chicago 24, Ill.
Cleveland Hardware & Forging Co., 3200 E. 79th St., Cleveland 4, Ohio.
Decker Co., Richard M., 919 N. Michigan Ave., Chicago, Ill. (Door latches.)
Detroit Harvester Co. Dura Div., 4500 Detroit Ave., Toledo, Ohio.
Douglas & Lomason Co., 5836 Lincoln Ave., Detroit 8, Mich.
Eastern Malleable iron Co., 112 Bridge St., Naugatuck, Conn.
Eberhard Mfg. Co., Div. Eastern Malleable Iron Co., Evarts Ave., Cleveland 4, Ohio.
Electric Auto-Lite Co., Die Casting Div., 1934 Thomas St., Woodstock, Ill. "Alemite."
Excel Corp., 1120 N. Main St., Elkhart, Ind. "XL." (Bus sashes.)
Ferro Stamping & Mfg. Co., 1367 Franklin St., Detroit, Mich.
Hansen Mfg. Co., A. L., 5037 Ravenswood Ave., Chicago 40, Ill. (Commercial body and bus.)
Hartwell Aviation Supply Co., 9035 Venice Blvd., Los Angeles 31, Calif.
Jacob Co., F. L., 1043 Spruce St., Detroit 1, Mich.
Kneuer Tail Board Co., 45 Sea Girt Ave., Manasquan, N. J. (Spaceless tailboard hardware.)
Majestic Handle Co., 2515 S. Wabash Ave., Chicago, Ill.
Metal Craft Co., 3300 Doris Ave., Detroit 6, Mich.
Miner, Inc., W. H., 209 S. La Salle St., Chicago 4, Ill. (Truck and trailer.)
Protectoseal Co., 1920 S. Western Ave., Chicago 8, Ill. (Fuel tank fittings.)
Queen City Forging Co., Tennyson & Dumont Sts., Cincinnati 26, Ohio.
Regal Motor Products Inc., 6325 Grand River Ave., Detroit 8, Mich. (Hinges, visor brackets.)
Richlite Mfg. Co., 2326 S. Indiana Ave., Chicago 16, Ill.
Rockford Metal Products Co., 716 Cedar St., Rockford, Ill.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. (Fender braces and bolts.)
Soss Mfg. Co., 21777 Hoover Rd., Detroit 13, Mich.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Standard-Thomson Corp., Vandalia, Ohio. (Also hearse and ambulance.)
Stanley Works (Pressed Metal Div.), 195 Lake St., New Britain, Conn.
Stant Mfg. Co., 1620 Columbia St., Connersville, Ind.
Ternstedt Div. General Motors Corp., 6307 W. Fort St., Detroit 9, Mich.
Tompkins, H. S., 188 Chambers St., New York 7, N. Y.
Wagner Mfg. Co., 122 W. First St., Cedar Falls, Iowa. (Truck body irons, brackets and hinges.)
Yale & Towne Mfg. Co., 200 Henry St., Stamford, Conn.

HEADLIGHT FOCUSING INSTRUMENTS, See Testers, Headlight

HEATERS, Engine Pre-Heating

Anchor Post Products, Inc., 6500 Eastern Ave., Baltimore 24, Md. "Fluid Heat." (Gasoline burning.)
Diesel Equipment Div., Gen'l Motors Corp., 2100 Burlingame Ave., S. W., Grand Rapids 2, Mich. (For Diesel engines.)
Five Star Mfg. Co., 314 Ninth Ave. N., Grand Forks, N. D. "Freeman." (Electric.)
General Electric Co., Apparatus Sales Div., 1 River Road, Schenectady 5, N. Y. "G.E."
Kim Hotstart Mfg. Co., 917 W. Broadway, Spokane 1, Wash. (Electric.)
Perfection Stove Co., 7609 Platt Ave., Cleveland 4, Ohio. "Superfex." (Oil burning.)
Phillips Mfg. Co., 2816 Aldrich Ave. S., Minneapolis 8, Minn. "Flash" & "Zero-Start." (Headbolt, hose and dipstick types.)
Santag Corp., 351 N. Crawford Ave., Chicago 24, Ill. "Hot-Blok."
Stewart-Warner Corp., South Wind Div., 1514 Drover St., Indianapolis 7, Ind. "South Wind."
Vapor Heating Corp., 80 E. Jackson Boulevard, Chicago 4, Ill. (Parking lot heater.)
Zaiger Corp., 539 Essex St., Lynn, Mass. "Quick-Start."

HEATERS, Bus

Anchor Post Products, Inc., 6500 Eastern Ave., Baltimore 24, Md. "Fluid Heat."
Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill.
Consolidated Car Heating Co., 413 N. Pearl St., Albany, N. Y.
Evans Products Co., Heating and Ventilating Div., Plymouth, Mich.
Ha Dees Heater Div. of Gabriel Co., 1911 Harrison Ave., Rockford, Ill. (Hot water.)
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio.
Kysor Heater Co., Haynes St., Cadillac, Mich.
Truck & Coach Heater Mfg. Co., 11611 Linwood Ave., Detroit 6, Mich.
Vapor Heating Corp., 80 E. Jackson Boulevard, Chicago 4, Ill.

HEATERS, Cargo

American Gas Machine Co. Div. of Queen Stove Works, 505 Front St., Albert Lea, Minn. "Scotsman." (Automatic bottled gas, for trucks and buses.)
Anchor Post Products, Inc., 6500 Eastern Ave., Baltimore 24, Md. "Fluid Heat."
Auto Body Works, Pierce Ave. & 8th St., Appleton, Wis. "Gatien." (Exhaust.)
Cargo Guard Inc., Thompson's Point, Portland 2, Me.
Elston Co., Rue R, 2397 University Ave., St. Paul 14, Minn. "Elston." (LP gas.) (Manufactured by Crenlo, Inc., Rochester, Minn.)
Evans Products Co., Heating and Ventilating Div., Plymouth, Mich.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich. "Trail-Aire." (Self-powered unit for trailers.)
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio. (Hot water and gasoline.)
Knowles-Fisher Corp., Gowanda, N. Y. (Charcoal burning.)
Laharco Industries, Lyndale & 2nd Ave. N., Minneapolis 3, Minn.
Luminator, Inc., 120 N. Peoria St., Chicago 80, Ill.
Stewart-Warner Corp., South Wind Div., 1514 Drover St., Indianapolis 7, Ind. "Stewart-Warner South Wind." (Gasoline burning.)
Truck & Coach Heater Mfg. Co., 11611 Linwood Ave., Detroit 6, Mich. (Hot water.)
U. S. Thermo Control Co., 44 S. 12th St., Minneapolis 4, Minn. "Thermo-King."
Vapor Heating Corp., 80 E. Jackson Boulevard, Chicago 4, Ill.

HEATERS, Paint, Hot Spray

Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Bede Products, Inc., 1110 Brookpart Rd., Cleveland, Ohio.
Devilbiss Co., 300 Phillips Ave., Toledo 1, Ohio.
Dualheet, Inc., 3350 W. 137th St., Cleveland 11, Ohio.
Pol-Flo Paint Sprayer Corp., 1412-16th St., Sacramento, Calif.
Spee-Flo Mfg. Corp., 720 Polk Ave., Houston, Tex.
Thermalcup, Inc., 3550 W. 137th St., Cleveland 11, Ohio. "Thermalcup" & "Thermalflo."

HEATERS, Truck Cab

Anchor Post Products, Inc., 6500 Eastern Ave., Baltimore 24, Md. "Fluid Heat."
Arvin Industries, Inc., 13th St. & Big Four R. R., Columbus, Ind. (Hot water.)
Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill.
Bishop & Babcock Mfg. Co., 4901 Hamilton Ave. N.E., Cleveland 14, Ohio. (Hot water.)
Burd Piston Ring Co., HaDees Heater Div., 10th St. & 23rd Ave., Rockford, Ill. "Hadees." (Hot water.)
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill. (Hot water.)
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. (Hot water.)

Build Goodwill with Every Gift

by giving... Snap-on* Tools

to every man on your Christmas list!

SNAP-ON GIFT CERTIFICATES

These certificates let the recipients choose their own pet Snap-on Tools. Your Snap-on man will make them out in whatever denominations you wish.

Your thoughtfulness in giving Snap-on Tools will be remembered long after many a more costly, short-lived gift would have been forgotten. They'll remind the men in your shop who receive them, time after time, that you valued their loyalty and respected their skill so much that you gave them the best. Could *any* present do more?

Snap-on Tools *build good-will.* And it's *so easy* to make just the right choice, too. The Snap-on man who serves your shop knows mighty well (or can find out fast) exactly what tools each mechanic has had his eye on! Or—to show *complete* regard for a mechanic's personal preference—there's the Snap-on Gift Certificate, in any amount you wish.

For your friends, too—for *any* man on your Christmas list—Snap-on Tools are wonderful gifts. Time's getting short, though. Why not take care of the matter NOW? Just buttonhole your Snap-on man.

*Snap-on is the trademark of Snap-on Tools Corporation

SNAP-ON TOOLS CORPORATION
8026-K 28th Avenue, Kenosha, Wisconsin

TIME-SAVING "SPECIAL" TOOLS—Money makers for many operations on Ford, Mercury, Lincoln. Ask your Snap-on man to show you these and "specials" for other cars on his next call.

HEATERS, Truck Cab—cont'd

Eaton Mfg. Co., Heater Div., E. 65th St. & Central Ave., Cleveland, Ohio. (Hot water.)
Evans Products Co., Heating & Ventilating Div., Plymouth, Mich. "Evans." (Hot water.)
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y. (Hot water.)
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio. (Hot water.)
Kysor Heater Co., Hayes St., Cadillac, Mich. (Hot water.)
Novi Equipment Co., Novi, Mich. (Hot water.)
Schofield, Inc., E. L., 2230 Seventh Ave., Rockford, Ill. (Hot water.)
Stewart-Warner Corp., South Wind Div., 1514 Drover St., Indianapolis 7, Ind. "Stewart-Warner South Wind." (Gasoline burning.)
Surface Combustion Corp., Janitrol Aircraft-Automotive Div., 400 Dublin Ave., Columbus, Ohio.
Truck & Coach Heater Mfg. Co., 11611 Linwood Ave., Detroit 6, Mich. (Hot water for truck & bus.)

HILL HOLDERS, See Locks, Brake (Hill Holding)

HITCHES, TRAILER, See Couplers, Trailer

HOISTS, Chain or Cable

(See also Cranes, Portable)

Bridgeport Chain & Mfg. Co., 1201 Crescent Ave., Bridgeport, Conn.
Chisholm-Moore Hoist Corp. (Div. Columbus McKinnon Chain Corp.), Fremont Ave., Tonawanda, N. Y. "Cyclone," "Blue-Boy."
Cleveland Crane & Engineering Co., 5866 E. 283rd St., Wickliffe, Ohio.
Coffing Hoist Co., 800 Walter St., Danville, Ill.
Ford Chain Block Div. of American Chain & Cable Co., Bridgeport, Conn. "Tribloc."
Harrington Co., 17th & Callowhill Sts., Philadelphia 30, Pa. "Peerless."
Hobbs Co., Clinton E., 203 Chelsea St., Everett 49, Mass. "Red Line.")
Lincoln Precision Machining Co., North Grafton, Mass.
Manley Div., American Chain & Cable Co., York, Pa.
Ohio Hoist & Mfg. Co., Inc., Broadway and Chaincraft Road, Cleveland 5, Ohio.
National Screw & Mfg. Co., Chester Hoist Div., Lisbon, Ohio. "Chester."
Reading Crane & Hoist Corp., 2140 Adams St., Reading, Pa.
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield, Ohio. "R & M."
Roeper Crane & Hoist Works, 1720 N. Tenth St., Reading, Pa.
Round & Son, David, Box 883, Cleveland 22, Ohio. "Auto-Bloc," "Weston," "Superior," "Little Wizard," "Rocket."
Speidel Elevator Corp., W. Buttonwood & Gordon Sts., Reading, Pa. "Simplex."
Union Mfg. Co., 296 Church St., New Britain, Conn.
Wright Hoist Div. of American Chain & Cable Co., York, Pa.

HOISTS, Electric

(See also Blocks or Hoists, Chain)

American Engineering Co., 2447 Aramingo Ave., Philadelphia 25, Pa. "Lo-Hed."
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Chisholm-Moore Hoist (Div. Columbus McKinnon Chain Corp.) Fremont Ave., Tonawanda, N. Y. "Comet," "Meteor."
Cleveland Crane & Engineering Co., 5866 E. 283rd St., Wickliffe, Ohio. "Cleveland Tramrail."
Coffing Hoist Co., 800 Walter St., Danville, Ill.
Conco Engineering Works, Div. of H. D. Conkey & Co., Mendota, Ill.
Detroit Hoist & Machine Co., 8350 Morrow St., Detroit 11, Mich. "Detroit," "Titan."
Electro Lift, Inc., 204 Sergeant Ave., Clifton, N. J.
Ford Chain Block Div. of American Chain & Cable Co., Bridgeport, Conn. "Ford Whippet."
Harnischfeger Corp., 4400 W. National Ave., Milwaukee 14, Wis.
Harrington Co., 17th & Callowhill Sts., Philadelphia 30, Pa. "Bearcat."
Hobbs Co., Clinton E., 203 Chelsea St., Everett 49, Mass. "Red Line."
Louden Machinery Co., 1102 West Ave., Fairfield, Iowa.
National Screw & Mfg. Co., Chester Hoist Div., Lisbon, Ohio.
Northern Engineering Works, 2615 Atwater St., Detroit 7, Mich. "Hi-Lift."
Reading Crane & Hoist Corp., 2140 Adams St., Reading, Pa.
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield, Ohio. "R & M."
Round & Son, David, Box 883, Cleveland 22, Ohio. "Rocket."
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.
Shepard Niles Crane & Hoist Corp., Montour Falls, N. Y. "Sprague," "Shepard Niles."
Stephens-Adamson Mfg. Co., 150 Hidgeway St., Aurora, Ill.
Thomas Hoist Co., 20 S. Hoyne Ave., Chicago 12, Ill.
Whiting Corp., 157th & Lathrop Sts., Harvey, Ill.
Wright Hoist Div. of American Chain & Cable Co., York, Pa.
Yale & Towne Mfg. Co., Philadelphia Div., 4530 Tacony St., Philadelphia 24, Pa.

HOISTS, MONORAIL, See Cranes, Monorail

HOISTS, Pneumatic

Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1927 Kienlen Ave., St. Louis 20, Mo.
Detroit Hoist & Machine Co., 8350 Morrow St., Detroit 11, Mich.
Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Kehawke Mfg. Co., 718 S. Elliot St., Muncie, Ind. (For tire shops.)
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Miller Fluid Power Co., 2040 N. Hawthorne Ave., Melrose Park, Ill.
Northern Engineering Works, 2615 Atwater St., Detroit 7, Mich.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

HOISTS, PORTABLE, See Cranes, Portable

HOISTS, Truck Body

Anthony Co., Streator, Ill. (Hydraulic.)
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio.
Converto Mfg. Co., Cambridge City, Ind.
Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Calif.
Daybrook Hydraulic Div., L. A. Young Spring & Wire Corp., Bowling Green, Ohio.
Detroit Mechanical Hoist Corp., 3502-12 W. Fort St., Detroit 16, Mich.
Galion Allsteel Body Co., 605 S. Market St., Galion, Ohio. (Hydraulic.)
Gar Wood Industries, Inc., Wayne, Mich. "GW."
General Body & Hoist Co., Paris & Garvey Sts., Everett 49, Mass. "Universal."
Heil Co., Dept. 6253, 3000 W. Montana St., Milwaukee 1, Wis. (Hydraulic.)
Hercules Steel Products Co., Box 477, Galion, Ohio.
Little Giant Products, Inc., 1530 N. Adams St., Peoria 3, Ill. (Hands.)
Marion Metal Products Co., Cheney Ave., Marion, Ohio. (Hydraulic.)
National Lift Co., Wayne, Mich. "Dump-O-Matic."
Omaha Standard, 2401 W. Broadway, Council Bluffs, Iowa. (Hydraulic.)
Penn Body Div., Hockensmith Corp., 1946 Penn St., Penn, Pa.
Perfection Steel Body Co., S. East St., Galion, Ohio. (Hydraulic.)
Rodenhausen's Excelsior Wagon Works, Ninth & Jefferson Sts., Philadelphia 22, Pa. (For coal trucks.)
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Truck Engrg. Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat."

HOISTS, VEHICLE LIFTING, See Lifts, Vehicle

HOLDERS, Air Brake Hose

Edward's Air Hose Bracket Co., P. O. Box 860, Sapulpa, Okla.
Vari-Products Company, 2450 S. Prairie Ave., Chicago 16, Ill.

HOLDERS, Electrode

Chicago Tool & Engrg. Co., 8383 S. Chicago Ave., Chicago, Ill.
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y.
Lincoln Electric Co., 22801 St. Clair Ave., Cleveland 17, Ohio.
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis 6, Ind. (Resistance.)
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Tolman Mfg. Co., 19 W. Third St. (South Boston), Boston 27, Mass.
Tweco Products Co., Boston at Mosley Sts., Wichita 1, Kan. "Tweco," "Twecotong."
US Electric Welder Corp., 1258 Dorr St., Toledo 7, Ohio.
W. W. Alloys, Inc. (Div. Fansteel Metallurgical Corp.) 11644 Cloverdale Ave., Detroit 4, Mich.

HOLDERS, LOAD, See Load Binders

HONES, Cylinder

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill. (Engine and brake.)
Barnes Drill Co., 826 Chestnut St., Rockford, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Hydraulic and brake drum.)
Keystone Reamer & Tool Co., Millersburg, Pa.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Micromatic Hone Corp., 8100 Schoolcraft St., Detroit 38, Mich. "Hydrohone," "Odee-Hone," "Micromold," "Hydrobrake."
Moline Tool Co., 102 20th St., Moline, Ill. "Hole Hog."
Rottler Boring Bar Co., 1727 First Ave., S., Seattle 4, Wash.
Staple Engrg. Co., 1315 S. Woodward Ave., Birmingham, Mich.
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Supco Div. Lisle Corp., 805 E. Main St., Clarinda, Iowa.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
Van Norman Co., 3640 Main St., Springfield 7, Mass.
Wilco Products, Inc., 595 Valley St., Orange, N. J. (Hydraulic brake.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (For Ford cars.)

HONES, Small Bore

(For piston pins, brake cylinders, bushings, etc.)

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa. (Brake cylinder, piston pin and ring pin bushings.)
Eis Automotive Corp., Middletown, Conn. (Brake cylinder.)
Evans Reamer & Machine Co., New Lexington, Ohio. (Piston pin.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich. (Piston pin.)
Keystone Reamer & Tool Co., Millersburg, Pa. (Piston pin.)
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Lisle Corp., 809 E. Main St., Clarinda, Iowa. (Brake cylinder and piston pin.)
New Britain Machine Co., South St., New Britain, Conn. (Brake cylinder.)
Precision Hone Co., 8618 Dearborn St., Detroit 17, Mich. "Honette." (Piston pin, brake cylinder, bushing, etc.; "Brakehone," brake cylinder.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. (Piston pin.)
Staple Engineering Co., 1315 S. Woodward Ave., Birmingham, Mich.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo. (Piston pin.)
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

HOOKS, Towing

Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Cleveland Hardware & Forging Co., 3200 E. 79th St., Cleveland 4, Ohio.
Four Wheel Drive Auto Co., E., 12th St., Clintonville, Wis. "FWD."
Holland Hitch Co., 430 W. 18th St., Holland, Mich.

HORN RELAYS, See Relays, Horn and Light

HORNS, Air

Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio.
Buell Mfg. Co., 919 W. 49th Pl., Chicago 9, Ill.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. "Supertone Twins."
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Grover Products Co., 1221 S. Hope St., Los Angeles 15, Calif.
Kahlenberg Bros. Co., 1200 Monroe St., Two Rivers, Wis.
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich.

HORNS, Electric

Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind. "Klaxon."
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y.
Edwards Co., Norwalk, Conn.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb. "Jubilee," "Bugler," "Broadcaster," "Fog-Horn," "Hi-Lo-Tone," "Multi-tone," "Three Star," "Gold Medal," "Bomber," "Challenger," "Rival," "Streamline," "Toot-a-Tune."
Sparton Automotive Div., Sparks-Withington Co., Jackson, Mich. "Air Shell," "Hornet," "Marvel," "Su Power," "Sparton," "Tornado," and "Trumpet."
Yoder Mfg. Co., 1823 E. 17th St., Little Rock, Ark. (Wolf.)

HORNS, Siren

(For ambulances, police and fire department apparatus)

American-La France-Foamite Corp., 100 E. La France St., Elmira, N. Y.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. (Electric.)
Federal Sign & Signal Corp., 8765 S. State St., Chicago, Ill.
Sireno Co., 214 William St., N. Y. 7, N. Y.
Sterling Siren Fire Alarm Co., 8 Bartlett St., Rochester 8, N. Y. (Electric.)

HORNS, Vacuum Operated

E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y.
Grover Products Co., 1221 S. Hope St., Los Angeles 15, Calif.
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. "Trico Claireon."
Yoder Mfg. Co., 1823 E. 17th St., Little Rock, Ark. (Wolf.)

HORSES and TRESTLES, See Stands, Adjustable

HOSE, Air Brake

Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Anchor Coupling Co., 342 N. 4th St., Libertyville, Ill.
Crown Products Co., Ralston, Neb.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 666 Glenbrook Road, Stamford, Conn.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.
Weatherhead Co., E. 131st St., Cleveland 8, Ohio.

HOSE, Air, Tire Inflating, Rubber and Fabric

Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y. "Red Air."
Balcrank, Inc., Disney St. near Marburg, Cincinnati, Ohio.
Boston Woven Hose & Rubber Co., Cambridge, Mass. (P. O. Box 1071, Boston 3, Mass.) "Bull Dog."
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Champion Pneumatic Machinery Co., 825 N. Pleasant St., Princeton, Ill.
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Enduro," "Vitalic."
Dallas Mfg. & Sales Co., P. O. Box 7181, Dallas, Tex.
De Vilbiss Co., 300 Phillips Ave., Toledo 1, Ohio.
Diamond Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron 8, Ohio.
G. M. Co. Mfg., Inc., 12-08 43rd Ave., Long Island City, L. I., N. Y.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 666 Glenbrook Road, Stamford, Conn.
Hite Mfg. Co., 1916 Dayton Blvd., North Chattanooga 5, Tenn.
Koehler Rubber & Supply Co., 3865 Carnegie Ave., Cleveland 15, Ohio. "Holdfast."
Lincoln Engrg. Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Metal Hose & Tubing Co., W. Clinton St., Dover, N. J.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa. "Korker," "Quaker."
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

HOSE, Gasoline

(See also Tubing, Gasoline & Oil Line)

Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Anchor Coupling Co., 342 N. 4th St., Libertyville, Ill.
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind.
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y. "Smoothflex." (Synthetic rubber.)
Boston Woven Hose & Rubber Co., Cambridge Mass. (P. O. Box 1071, Boston 3, Mass.) "Bull Dog."
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Vitalic."
Diamond Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron 18, Ohio.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 666 Glenbrook Road, Stamford, Conn.
Metal Hose & Tubing Co., W. Clinton St., Dover, N. J. "National."
Mulconroy Co., 54th & Jefferson Sts., Philadelphia 31, Pa. "Mulconroy." "New Process."
Pennsylvania Flexible Metallic Tubing Co., 72nd St. & Powers Lane, Philadelphia 42, Pa. "Penflex."
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Republic Rubber, Div. of Lee Rubber & Tire Corp., Albert St., Youngstown 1, Ohio.
Resistoflex Corp., 39 Plansoen St., Belleville 9, N. J.
Thermoid Rubber, Div. of Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
Titeflex, Inc., 500 Frelinghuysen Ave., Newark 5, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

HOSE, Grease, High Pressure

Adams Grease Gun Corp., 54 W. 21st St., New York, N. Y.
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Anchor Coupling Co., 342 N. Fourth St., Libertyville, Ill.
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y.
Balcrank, Inc., Disney St. near Marburg, Cincinnati, Ohio.
Diamond Rubber Co., Div. of B. F. Goodrich Co., S. Main St., Akron 18, Ohio.
Eastman Mfg. Co., 1002 N. 11th St., Manitowoc, Wis.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Lincoln Engrg. Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Norgren Co., C. A., 222 Santa Fe Drive, Denver 9, Colo.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Reda-Turner Mfg. Co., 311 Page Blvd., Springfield 4, Mass.
Republic Rubber Div., Lee Rubber & Tire Corp., Albert St., Youngstown 1, Ohio.
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

HOSE, Heater

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Boston Woven Hose & Rubber Co., P. O. Box 1071, Boston 3, Mass.
Continental Rubber Works, 1946 Liberty St., Erie, Pa.
Crown Products Co., P. O. Box 1046, Omaha, Neb.
Dallas Mfg. & Sales Co., Box 7181, Dallas, Tex. "Guard-A."
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Grey Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 240 Kensington Ave., Buffalo 5, N. Y.
Holfast Rubber Co., 1486 Lakewood Ave., S.E., Atlanta 1, Ga.
Miller Rubber Co., Div. B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Swan Rubber Co., 436 E. Mansfield St., Bucyrus, Ohio.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.

HOSE, Hydraulic Brake

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Anchor Coupling Co., 342 N. 4th St., Libertyville, Ill.
Bendix Products Div., Bendix Aviation Corp., 401 Bendix Drive, South Bend 20, Ind. "Bendix B-K."
Chefford Master Mfg. Co., Fairfield, Ill.
Eis Automotive Corp., Middletown, Conn.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Rex-Tube," "Rex-Weld."
Goodrich Co., B. F., 500 S. Main St., Akron 18, Ohio.
Grizzly Mfg. Co., 700 W. Caroline St., Paulding, Ohio.
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio. "Delco."
Master Parts Div. of Airtex Products, Inc., Fairfield, Ill.
Motive Equipment Mfrs., Inc., 5253 Roosevelt Rd., Chicago 50, Ill. "Pilot."
Mulconroy Co., 54th & Jefferson Sts., Philadelphia 31, Pa.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."

HOSE, Hydraulic Brake—cont'd

Planet Metal Products Corp., 964 Dean St., Brooklyn 16, N. Y.
Raybestis-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J. (Booster.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

HOSE, Radiator

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. "Acme Flexrite." (Also 3320 S. Main St., Los Angeles 7, Calif.)
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Vitalic."
Cooper Tire & Rubber Co., Lima & Western Aves. Findlay, Ohio.
Crown Products Co., Ralston, Neb.
Dallas Mfg. & Sales Co., P. O. Box 7181, Dallas, Tex.
Dayton Rubber Co., Box 1004, Dayton, Ohio.
Diamond Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron 18, Ohio.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Egan Mfg. Co., H. B., 425 W. Main St., Muskogee, Okla.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Everflex." (Bendable.)
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Grey-Rock Div. of Raybestos - Manhattan, Inc., Manheim, Pa.
Haywood Industries, P. O. Box 1004, Dayton 1, Ohio.
Johns-Manville, 22 E. 40th St., New York, N. Y. "J-M."
Kelly-Springfield Tire Co., Cumberland, Md.
Koehler Rubber & Supply Co., 3865 Carnegie Ave., Cleveland 15, Ohio. "Holdfast."
Mercer Rubber Co., Hamilton Square, N. J.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Roberts Flexible Hose Co., 1717 W. Walnut St., Chicago 12, Ill.
Rubbercraft Corp. of Cal., Ltd., 110 E. 17th St., Los Angeles, Calif.
Swan Rubber Co., 436 E. Mansfield St., Bucyrus, Ohio.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Voit Rubber Corp., W. J., 1600 E. 25 St., Los Angeles 11, Calif. (Flexible.)

HOSE, Vacuum Brake

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind., "Amco."
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Vitalic."
Dallas Mfg. & Sales Co., Box 7181, Dallas, Tex. "Guard-A."
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Grey-Rock Div. of Raybestos - Manhattan, Inc., Manheim, Pa.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 666 Glenbrook Road, Stamford, Conn.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.

HOSE, Welding

(See also Cable, Welding)

Acme Rubber Mfg. Co., E. State St., Trenton, N. J. (Also 3320 S. Main St., Los Angeles 7, Calif.)
Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St. New York 17, N. Y. "Airco-Twin."
Boston Woven Hose & Rubber Co., Cambridge Mass. (P. O. Box 1071, Boston 3, Mass.) "Bull Dog."
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Cincinnati Rubber Mfg. Co., Franklin Ave., Norwood, Cincinnati 12, Ohio. "Losant."
Continental Rubber Works, 1946 Liberty St., Erie, Pa. "Vitalic."
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Hewitt Rubber Div., Hewitt-Robbins, Inc., 666 Glenbrook Rd., Stamford, Conn. "Conservo," "Twin-weld."
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Oxweld." (Rubber.)
Mulconroy Co., 54th & Jefferson Sts., Philadelphia 31, Pa. (Oxy-acetylene.)
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG."
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Republic Rubber, Div. of Lee Rubber & Tire Corp., Albert St., Youngstown 1, Ohio.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

HUBS, Wheel

Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
Dittmer Gear & Mfg. Co., 193 Grand St., Lockport, N. Y.
Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Cal. (For truck trailers.)
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Motor Wheel Corp., 735 E. Saginaw St., Lansing 3, Mich.
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.

HYDRAULIC FLUID, See Fluid, Hydraulic Brake and Shock Absorber

HYDROMETERS, Battery and Coolant

Beck, Oscar, Glass Blowing Co., 4-6 Court House Pl., Newark 2, N. J.
Bishman Mfg. Co., Osseo, Minn. (Hand.)
Chaslyn Co., 1952 Irving Park Rd., Chicago 13, Ill. "Chaslyn," "S O S."
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Kant Stock," "Break-Not," "Zero-Tester," "Freez-D-Tector."
Freas Glass Works, Francis L., 140 E. Ninth Ave., Conshohocken, Pa. "Clearview," "Freas."
General Scientific Equipment Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
Kennedy Service Tools Co., P. O. Box 31, Mogadore, Ohio.
Kimble Glass Co., P. O. Box 1035, Toledo 1, Ohio. (Sole distributors, Imperial Glass Mfg. Co., 1200 W. Harrison St., Chicago 7, Ill.)
Kocour Co., 4800 S. St. Louis Ave., Chicago 32, Ill.
Murray Corp., Towson 4, Md.
Precision Thermometer & Instrument Co., 1465 Brandywine St., Philadelphia 30, Pa. "Princo."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Weidenhoff, Inc., Joseph, Algona, Iowa.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J.
Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio.

IGNITION SPRAY, See Insulation for Electrical Parts

IGNITION TOOLS, See Tools, Ignition

INDICATORS, Carbon Monoxide

Cambridge Instrument Co., Inc., Grand Central Terminal, New York 17, N. Y.
Mine Safety Appliances Co., Braddock, Thomas & Meade Sts., Pittsburgh 8, Pa.

INDICATORS, LOW BRAKE FLUID, See Signals, Low Brake Fuild

INJECTOR SYSTEMS, Gasoline & Diesel Engine

American Bosch Div., American Bosch Arms Corp., 3664 Main St., Springfield 7, Mass. (Pumps.)
Diesel Equipment Div., General Motors Corp., 2100 Burlingame Ave., S.W., Grand Rapids 2, Mich.
Flint Corp., 1323 N. Water St., Milwaukee 2, Wis. (Air and water injectors.)
Hancock Diesel Service Co., 300 Walnut St., Findlay, Ohio. (Diesel reconditioning service.)
Hartford Machine Screw Co., P. O. Box 1440, Hartford 2, Conn. (Roosa-Master.)
Scintilla Magneto Div., Bendix Aviation Corp., Sherman Ave., Sydney, N. Y. "Bendix." (Diesel.)
Simmonds Products, Inc., 105 White Plains Rd., Tarrytown, N. Y. (Gasoline.)

INJECTORS, Water, Gasoline Engine

Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio. "Vitameter."
Waag Enterprises, 3110 Broadview Rd., Cleveland 9, Ohio.

INSPECTION SYSTEM PARTS

Magnaflux Corp., 5908 Northwest Highway, Chicago 31, Ill. "Magnaflux-Magnaglo."

INSTRUMENTS, Distributor Testing

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. "Syncrograph."
Electro Products Co., 445 E. 189th St., New York 58, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Price Instrument Engineering Co., Inc., Newport News, Va. (Manometer.)
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Weidenhoff, Inc., Joseph, Algona, Iowa. "Distrib-U-Scope."
Wells Mfg. Co., 200 W. Division St., Fond du Lac, Wis.

INSTRUMENTS, Electrical Circuit Testing

(See also Analyzers, Trouble)

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Arrow Armatures Co., 15 Fordham Rd., Boston 34, Mass.
Auto-Test, Inc., 600 S. Michigan Ave., Chicago 5, Ill.
Berg-Gibson Mfg. Co., 817 E. 17th St., Kansas City 8, Mo. "B & G."
Bristol Co., Waterbury 20, Conn.
Crumbliss Mfg. Co., 3011 N. Cicero Ave., Chicago 41, Ill.
Electro Products Co., 4456 E. 189th St., New York 58, N. Y. "Trouble Shooter," "Acroset," "Coilmaster."
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y. "G-E."

MOHAWK'S

NEW..

NYLON SUPER CHIEF

- **Super strong carcass**—all nylon construction.
- **Softer ride**—greater deflection and pliability.
- **Completely safe**—nylon carcass resists cuts, breaks.
- **Hi-grade carcass compounds**—maximum resistance to separation and cord fatigue.
- **Low-bar design**—more sidewall protection.
- **Diagonal tread siping**—reduces noise, increases traction.

To insure full value by providing a tire with sufficiently heavy tread consistent with the long-life of a nylon carcass, Mohawk offers a nylon tire in just one class—the premium line Super Chief with *extra* tread depth.

THE MOHAWK RUBBER COMPANY

Plants: Akron, Ohio; Littleton, Colorado
Export Department: 1775 Broadway, New York 19, N. Y.
Cable: "MOHAWK" New York

INSTRUMENTS, Electrical Circuit Testing—*continued*

Gould Storage Battery Corp., First National Bank Bldg., St. Paul 1, Minn. "Kathanode."
Hoyt Electrical Instrument Works, 42 Carleton St., Cambridge 32, Mass. (Sole distributors, Burton-Rogers Co., 42 Carleton St., Cambridge 42, Mass.)
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill. (For voltage regulators and generators, armatures and field coils.)
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Lee Electronics Labs, Inc., 233 Dudley St., Boston 19, Mass. "L E L."
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Mercury Electric Corp., 719 Wyandotte St., Kansas City, Mo.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Practical Devices, Inc., 103 Lafayette St., New York 13, N. Y.
Rectifier Engrg. Co., 1803 E. 7th St., Los Angeles 21, Calif. "Reco."
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio.
Scintilla Magneto Div., Bendix Aviation Corp., Sherman Drive, Sidney, N. Y. "Bendix."
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
T. & H. Mfg. Co., 811 E. 31st St., Kansas City 3, Mo.
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill. "Silver Beauty."
Turnsignal Corp., 2720 W. Susquehanna Ave., Philadelphia 22, Pa. "Turnco."
Weidenhoff, Inc., Joseph, Algona, Iowa.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Westberg Mfg. Co., 144 S. Coombs St., Napa, Calif.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trucut." (Armature testers.)

INSTRUMENTS, Engine Testing

Allen Electric & Equip. Co., 2101 N. Pitcher St., Kalamazoo 13, Mich.
Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa.
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Motor Peaker."
Gale-Hall Engineering, Inc., North Hampton, N. H. "Test-X."
Kent-Moore Organization, 5-105 General Motors, Detroit, Mich.
Mercury Battery Charger Co., 719 Wyandotte St., Kansas City 6, Mo.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Weidenhoff, Inc., Joseph, Algona, Iowa.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

INSTRUMENTS, Battery Testing

(See also Hydrometers)

Associated Equipment Corp., 5147 Natural Bridge, St. Louis 15, Mo.
Auto Test, Inc., 600 S. Michigan Ave., Chicago 5, Ill.
Baldor Electric Co., 4357 Duncan Ave., St. Louis 10, Mo. "Handy."
Bowers Battery & Spark Plug Co., Reading, Pa.
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa. "Exide."
Fox Products Co., 4720 N. 18th St., Philadelphia 41, Pa.
General Scientific Equip. Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
Gould-National Batteries, Inc., E-1201 First National Bldg., St. Paul 1, Minn. "Kathanode."
Heyer Industries, Inc., 471 Cortlandt St., Belleville, N. J.
Hoyt Electrical Instrument Works, 42 Carleton St., Cambridge 32, Mass. (Sole distributors, Burton-Rogers Co., 42 Carleton St., bridge 42, Mass.)
Jordan Electrical Mfg. Co., 222 N. Second St., Minneapolis 1, Minn.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
McColpin-Christie Corp., 3410 W. 67th St., Los Angeles 43, Calif. "C & C."
Marquette Mfg. Co., Inc., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo.
Powercraft Corp., 2502 S. Wabash Ave., Chicago, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Rectifier Engrg. Co., 1803 E. 7th St., Los Angeles 21, Calif. "Reco."
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Triple A Specialty Co., 2101 Walnut St., Chicago 12, Ill. "Silver Beauty."
Tungsten Spark Plug Mfg. Co., Tungsten Bldg., 1716 S. Michigan Ave., Chicago 16, Ill.
Weidenhoff, Inc., Joseph, Algona, Iowa.
Willard Storage Battery Co., 246 E. 131st St., Cleveland 1, Ohio.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

INSTRUMENTS, Pressure Testing, Cooling System

Spotrim Corp., 15301 Mack Ave., Detroit 24, Mich. "Master."

INSTRUMENTS, Strain Testing

Magnaflux Corp., 7300 W. Lawrence Ave., Chicago 31, Ill. "Stresscost."

INSULATION, Liquid, Electrical Parts

American Latex Products Corp., 3341 W. El Segundo Blvd., Hawthorne, Calif.
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Boruski, Jr., Ernest F., 7104 Alvern St., Los Angeles 45, Calif. "V-70."
Champion Bronze Powder & Paint Co., Inc., 2526 W. Van Buren St., Chicago 12, Ill.
Champion Cable Co., 1805 E. 40th St., Cleveland 3, Ohio.
Dow Corning Corp., Mialana, Mich.
Dupli-Color Products Co., 2440 S. Michigan Ave., Chicago 16, Ill. "Dupli-Color Carfix." (For ignition systems.)
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
General Electric Co., Chemical Div., 1 Plastics Ave., Pittsfield, Mass. "G-E."
Ignition-Ite Products Co., P. O. Box 373, Downey, Calif. (For ignition systems.)
Krylon, Inc., 2038 Washington Ave., Philadelphia 46, Pa. (For ignition wiring, battery terminals, etc.)
M-M-A, Inc., P. O. Box 411, Lancaster, Pa. "Spritzit Color-Spra."
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn.
Porter Mfg. & Supply Co., 2836 Sunset Blvd., Los Angeles 26, Calif. (For ignition systems.)
Radiator Specialty Co., 1700 Dowd St., Charlotte 1, N. C. "Ignition Seal." (For ignition systems.)
U. S. Industrial Chemicals Div. of National Distillers Products Corp., 99 Park Ave., New York 16, N. Y. "PIB."
V-O Mfg. Co., 13165 Sherman Way, North Hollywood, Calif. (Ignition.)
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite." (For ignition systems.)
Watts-Wagner Co., 118 Frelinghuysen Ave., Newark 5, N. J. "Electricote." (For ignition systems, etc.)
Wolfe-Kote Co., 1225 N. 8th St., Sheboygan, Wis.
Zip Abrasive Co., 1360 W. 9th St., Cleveland 13, Ohio. "Shortstops." (Ignition system.)

INSULATION, Felt, Hair, Paper, Glass, Fiber, Wool, etc.

American Hair & Felt Co., 1828 Merchandise Mart, Chicago, Ill. (Hair and felt.)
Armstrong Cork Co., Industrial Div., Lancaster, Pa. (Felt paper.)
Arvey Corp., 6401 E. Nevada Ave., Detroit 12, Mich. Nodrum," "Reflex." (Felt.)
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Brandywine Fibre Products Co., 1441 Poplar St., Wilmington, Del.
Burlington Mills Inc., Burlington, Wis. "Bur-Tex." (Plastic coated trunk lining.)
Continental-Diamond Fibre Co., Newark 10, Del. "Vulcoid," "Diamond."
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich. "DG."
Dow Chemical Co., 919 Jefferson Ave., Midland, Mich. "Ethocel" & "Styrofoam." (Expanded polystyrene for trailers.)
Flintkote Co., 30 Rockefeller Plaza, New York 20, N. Y. (Felt and paper.)
Franklin Fibre-Lamitex Corp., 195 E. 12th St., Wilmington, Del.
Glass Fibers, Inc., 1810 Madison Ave., Toledo 2, Ohio. "Microlite." (Glass wool.)
Great American Industries, Inc., Rubatex Div., Bedford, Va. (Cellular rubber.)
Gustin-Bacon Mfg. Co., 230 W. 10th St., Kansas City, Mo. "Ultralite."
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y. (Rock wool.)
Keystone Roofing Mfg. Co., Franklin St. & P. R. R., York, Pa. "Conewago." (Paper.)
Libbey-Owens-Ford Glass Co., 620 Madison Ave., Toledo 3, Ohio. "LOF." (Fiber glass.)
Maish Co., Chas. A., Oxford Rd., Franklin, Ohio. (Jute and cotton.)
National Vulcanized Fibre Co., Maryland Ave. & Beech St., Wilmington 99, Del. "Peerless."
Owens-Corning Fiberglass Corp., Nicholas Bldg., Toledo 1, Ohio. (Fibre glass.)
Pittsburgh Plate Glass Co., Fiber Glass Div., 632 Duquesne Way, Pittsburgh 22, Pa. "P P G." (Fiber glass.)
Ruberoid Co., 500 Fifth Ave., New York 18, N. Y. (Felt.)
Seaman Products Div. of Seaman Paper Co., 1858 W. Hubbard St., Chicago 22, Ill. "Seapak."
Silvercote Products Inc., 161 E. Erie St., Chicago 11, Ill. (For refrigerator bodies.)
Spaulding Fibre Co., 310 Wheeler St., Tonawanda, N. Y. "Spauldo." (Paper, for motors.)
Taylor Fibre Co., Norristown, Pa.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "U. S. Flotofoam." (Plastic foam.)
Western Felt Works, 4021-4139 W. Ogden Ave., Chicago 23, Ill. (Felt.)
Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington, Del. "Fyberoid."
Wilson & Co., 4100 S. Ashland Ave., Chicago, Ill. "Naturzone." (Sole distributors, Automotive Materials Corp., Fisher Bldg., Detroit, Mich.)

INSULATORS, Spark Plug

Crowley & Co., Henry L., 1 Central Ave., West Orange, N. J. "Crolite."
Frenchtown Porcelain Co., 83 Muirhead Ave., Trenton, N. J.
Sealtight Corp., 228 First St., N.E., Cedar Rapids, Iowa.

IRONS, Soldering, Electric

American Electrical Heater Co., Woodward, Cass & Burroughs Aves., Detroit 2, Mich. "American Beauty."
Dockson Corp., 3839 Wabash Ave., Detroit 8, Mich.
General Electric Co., Apparatus (Sales Div.), 1 River Rd., Schenectady 5, N. Y. "G-E."
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Kwikheat Mfg. Co., 3732 San Fernando Bldg., Glendale 4, Calif.
Lenk Mfg. Co., 30 Cummington St., Boston 15, Mass.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Prest-O-Lite."
Luma Electric Equipment Co., P. O. Box 132, Toledo 1, Ohio.
Peerless Novelty Co., First & Fulton Sts., Grand Haven, Mich.
Phillips Mfg. Co., 2816 Aldrich Ave. S., Minneapolis 8, Minn. "Flash," "Phillips," "Versa-Tool."

Who profits when you buy CP air tools?

Zip it cuts! Look how easily and evenly the CP Zip Gun cuts through this truck body. It not only cuts sheet metal, spot welds, pins and rivets; but it also drives chisels, punches; does riveting, chipping and scaling; and scrapes undercoating, paint, dirt.

CP Air Impact Wrench with its CONTROLLABLE POWER feature has plenty of reserve power for removing those tough, rusted nuts. Then quick-as-a-wink it can be set to run nuts and bolts to predetermined, uniform tightness.

Just look at this CP-790 Air Impact Wrench in action! It has all the power and control needed to turn those huge U-bolts to just-the-right tightness.

Other CP Air Impact Wrenches are available in ½", ¾" and 1" square drive capacity models. They're furnished with attachable angle heads for close quarter jobs.

YOU PROFIT... CP Air Impact Wrenches, Zip Guns, Bead Breakers and Pneu-draulic Truck Jacks not only speed up maintenance, repair and body work in your shop but they keep vehicles on the road longer . . . increase your pay load mileage.

YOUR MECHANICS PROFIT... they can do spring maintenance, make wheel changes and handle other heavy work with less fatigue . . . and if they're paid piece rates they can increase their take home pay.

YOUR CUSTOMERS PROFIT... the 75% of nut turning time saved by CP Air Impact Wrenches . . . the speed of the Zip Gun on body repair work . . . the time-saving qualities of the CP Pneu-draulic Truck Jack and the Bead Breaker all add up to make a quick turnover in the shop and insure fast, high quality service for customers.

Chicago Pneumatic *8 East 44th Street, New York 17, N. Y.*

AIR AND ELECTRIC IMPACT WRENCHES • PNEU-DRAULIC TRUCK JACKS AND PUMPS • ZIP-GUNS • BEAD BREAKERS

IRONS, Soldering—*continued*

Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stanley Tools, 111 Elm St., New Britain, Conn.
Turnsignal Corp., 2720 W. Susquehanna Ave., Philadelphia 21, Pa. "Turnco."
Vulcan Electric Co., 88 Holten St., Danvers, Mass. "Vulcan," "Mercury" & "Jackson."
Wall Mfg. Co., P., P. O. Box 71, Grove City, Pa.
Wasserleing Mfg. Co., Inc., 7400 3rd Ave., No. St. Petersburg 6, Fla.
Weller Electric Corp., 808 Packer St., Easton, Pa.

IRONS, Tire Branding

Everhot Mfg. Co., 57 S. 19th St., Maywood, Ill.
Merkert & Sons, 146-10 Jamaica St., Jamaica, N. Y.
Vulcan Electric Co., 88 Holten St., Danvers, Mass.

JACKS, Transmission

Accurate Parts Mfg. Co., 1600 S. Ashland Ave., Chicago 8, Ill.
Cleveland Pneumatic Tool Co., 3781 E. 77th St., Cleveland 5, Ohio.
General Automotive Tool and Equipment Co., 130 Orchard St., Grand Ledge, Mich. "Hydra-Lift."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Manzel Div. of Frontier Industries, Inc., 315 Babcock St., Buffalo 10, N. Y. "Manzel Trans-Lift."
Stephenson Foundry & Mfg. Co., J. O., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic."
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. 9th St., Springfield, Ill.

JACKS, Vehicle, Hydraulic

Ajax Auto Parts Co., 1201 Michigan Blvd., Racine, Wis.
Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Drednaut."
Bee-Line Co., Box 569, Davenport, Iowa.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Blackhawk," "Lightning Lift."
Buda Co., 154th St. & Commercial Ave., Harvey, Ill.
Buehrle & Son, Inc., Philip H., 168 Manalapan Rd., Spotswood, N. J. "E-Z."
Cleveland Pneumatic Tool Co., Automotive Div., 3781 E. 77th St., Cleveland 5, Ohio. "Aerol."
Duff-Norton Mfg. Co., 2709 Preble Ave., N. S., Pittsburgh, Pa. "Lo-Hite."
Hein-Werner Corp., 1200 National Ave., Waukesha, Wis.
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio. (Hand and floor.)
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 7, Neb. (Bumper.)
Kingston Products Corp., 1400 N. Webster St., Kokomo, Ind.
Lee Engineering Co., 505 Central Ave., Pawtucket, R. I. "Auto-Lift."
March Engrg. Co., Oshkosh, Wis.
Manley Mfg. Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Manzel, Inc., 315 Babcock St., Buffalo 10, N. Y.
Reliable Jack Div. of Dayton Malleable Iron Co., 1401 W. Second St., Dayton, Ohio.
R U Jack Corp., P. O. Box 205, Arcade, N. Y.
Scott-Atwater Mfg. Co., 2901 E. Hennepin Ave., Minneapolis 13, Minn.
Smith Equipment Corp., Herb., 414 Taylor Bldg., Rochester, N. Y.
Stephenson Foundry & Mfg. Co., J. O., 548 E. Fort St., Detroit 6, Mich. "Step-Draulic."
Templeton, Kenly & Co., 1020 S. Central Ave., Chicago 44, Ill. "Simplex." (Truck.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Vulcan Mfg. Co., 400 W. Third St., Winona, Minn. "Vulcan Ace-Hy," "Vulcan Imperial," "Vulcan Royal."
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Zamax Mfg. Co., W. Broad St. & Maple Ave., Haverstraw, N. Y. "Lift-King," "Pump-A-Jack."

JACKS, Vehicle, Mechanical

Affolter Mfg. Co., 1225 5th St., S.W., Canton 11, Ohio. "Blitz."
Aircapitol Mfrs., Inc., 1618 S. Mead St., Wichita, Kansas. "Vee Jack."
Ajax Auto Parts Co., 1201 Michigan Blvd., Racine, Wis.
Automatic Steel Products, Inc., Spun Steel Div., 1201 Camden Ave., S. W., Canton 6, Ohio. "Spunsteel."
Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Drednaut," "Auscolift."
Caster Mold & Machine Co., 1171 Wooster Rd., N., Barberton, Ohio. "Queen of Jacks." (Scissor type.)
Dalton Foundries, Inc., Warsaw, Ind. "Big Boy," "Little Big Boy." (Scissor type.)
Duff-Norton Mfg. Co., 2709 Preble Ave., N. S. Pittsburgh, Pa.
Hyde Park Iron Works Co., 931 E. 51st St., Brooklyn 3, N. Y.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Saginaw Steering Gear Div., General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich. (Bumper.)
Sal Metal Products Co., 120 Freeman St., Brooklyn, N. Y.
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio. "E-Z Lift."
So-Lo Jack Co., Attleboro, Mass.
Templeton, Kenly & Co., 1020 S. Central Ave., Chicago 44, Ill. (Truck.)
Triangle Jack Co., 1208 S. Washington St., Wichita, Kan. "Triangle," "Miracle." (Chain type.)
Vulcan Mfg. Co., 400 W. Third St., Winona, Minn. "Saf-T-Lift."
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Woodworth Corp., C. B., Greene, N. Y.

JIGS, Connecting Rod Aligning

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Olson Co., Thomas C., 609 E. Washington Ave., Madison 3, Wis.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason."
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

JIGS, Ring Gear Riveting

Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.

KEYS, Valve Stem

Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.

LACQUERS

(See also Enamels)

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Proxlin."
American Lacquer Solvents Co., Perkiomen Junction, Phoenixville, Pa. "Co-Loidal-Ac."
American Paint Co., 902 Larrabee St., Chicago 10, Ill. (Nitro-cellulose for commercial vehicles.)
Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio. "Arcozon."
Atlas Powder Co., Stamford, Conn. "Zapon."
Automotive Finishes, Inc., P. O. Box 457 Northwestern Station, Detroit 4, Mich.
Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
Beckwith-Chandler Co., Delancey & Rutherford Sts., Newark, N. J. "B/C."
Briggs Mfg. Co., 3675 E. Outer Drive, Detroit 34, Mich.
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Brolite," "Morblack."
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Day & Co., James B., 1872 Clybourn Ave., Chicago 14, Ill. "Daconite."
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich. "Ditz-Lac."
Donahue Varnish Co., F. J., 10586 Knodell Ave., Detroit 13, Mich.
du Pont de Nemours & Co., E. I., Finishes Div., Refinish Sales, Wilmington 98, Del. "Duco." (Pyroxylin.)
Flood & Conklin Co., 132 Chestnut St., Newark 5, N. J.
Forbes Finishes Div., Pittsburgh Plate Glass Co., 3800 W. 143rd St., Cleveland 11, Ohio. "Nitroloid." (Nitro-cellulose and Ethyl cellulose.)
Glidden Co., 11001 Madison Ave., Cleveland, Ohio.
Hilo Varnish Corp., 54 Stewart Ave., Brooklyn 6, N. Y.
Horn Co., A. C., 10 St. & 44 Ave., Long Island City 1, N. Y.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago 16, Ill. "Illbronze."
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Lucote." (Nitro-cellulose.)
Martin-Senour Co., 2520 Quarry St., Chicago 8, Ill. "Hi-Solids." (Nitro-cellulose.)
Nason & Co., R. N., 151 Potrero Ave., San Francisco, Calif. "A. N. L."
Nikolas & Co., G. J., 1227 Van Buren St., Chicago 7, Ill. "Nik-O-Lac."
Oxidermo Products, Inc., Springport, Mich.
Pierce & Stevens, Inc., 710 Ohio St., Buffalo, N. Y. "P & S."
Pittsburgh Plate Glass Co., Paint Div., 1 Gateway Center, Pittsburgh 22, Pa. "Mimax."
Plasti-Kote, Inc., 425 Lakeside Ave., N.W., Cleveland 13, Ohio.
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich. "R-M." (Nitro-cellulose.)
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio. "Opex."
Standard-Toch Chemicals, Inc., 2600 Richmond Terrace, Staten Island 3, N. Y. "Stand-Lac."
United Chromium, Inc., 100 E. 42nd St., New York 17, N. Y.

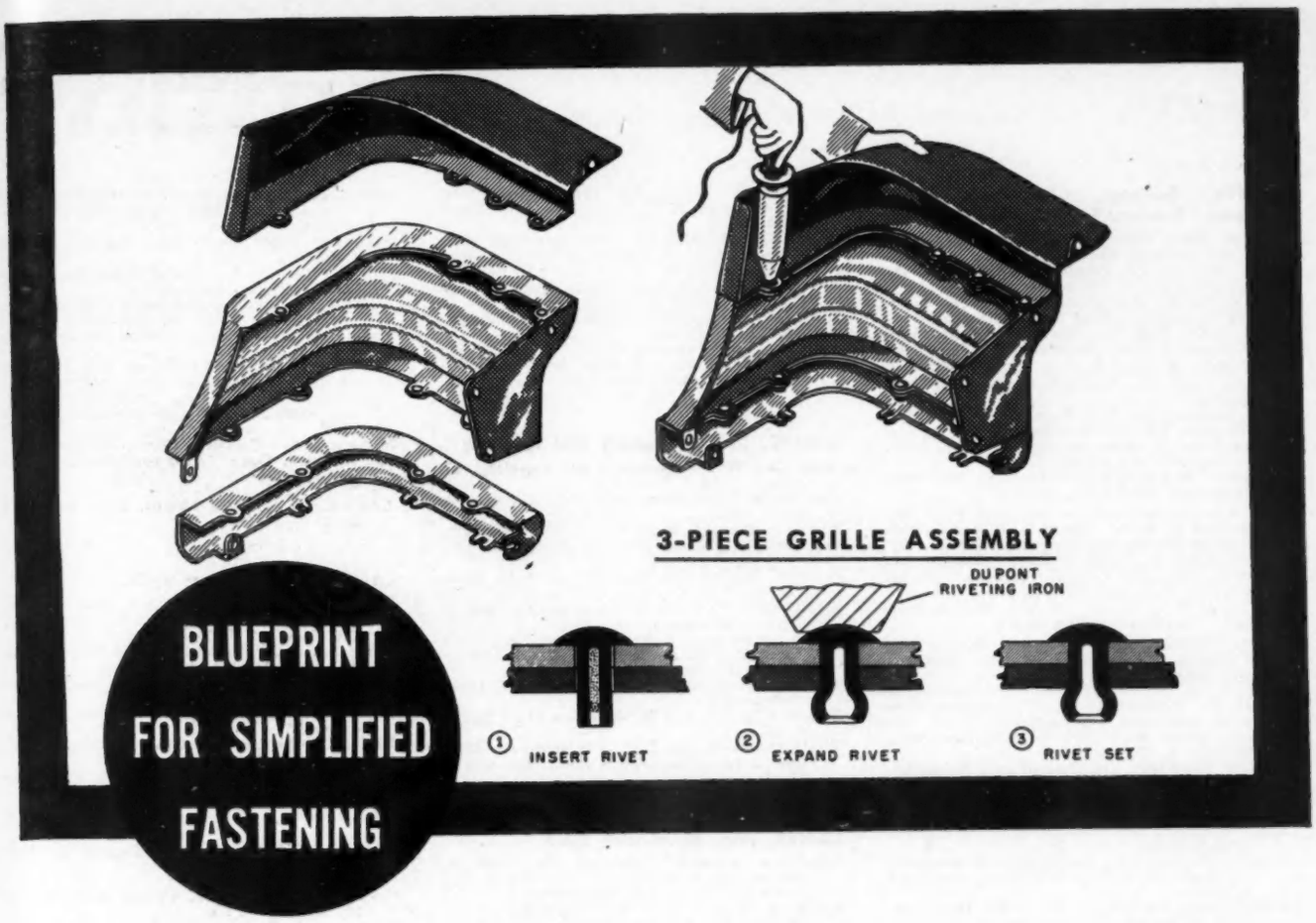
LAMP BULBS, Miniature Incandescent

Carlton Lamp Div. Hudson Lamp Co., 528 Elm St., Arlington, N. J.
General Electric Co., Lamp Div., Nela Park, Cleveland, Ohio. "G. E."
Hudson Lamp Co., 528 Elm St., Arlington, N. J.
Matchless Electric Co., 1700 Washington Blvd., Chicago 12, Ill.
National Carbon Co. Div. of Union Carbide & Carbon Co., 30 E. 42nd St., New York 17, N. Y. "Eveready."
Save Lamp Co., 3687 Ash St., Baltimore 11, Md.
Sylvania Electric Products, Inc., Lighting Div., 60 Boston St., Salem, Mass.
Tung-Sol Electric, Inc., 95 Eighth Ave., Newark 4, N. J.
Westinghouse Lamp Div., Westinghouse Electric Corp., MacArthur Ave., Bloomfield, N. J.

LAMP LENSES, See Lenses, Lamp

LAMPS, Back-Up, Clearance, Cowl, Dome, Fender, Tail, Parking and Stop

Akron Specialty Mfg. Co., 119 Ira Ave., Akron 1, Ohio. (Marker.)
American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill. "King Bee Hy-Power," (Tail, parking and clearance; also "King Bee Regular.")



ASSEMBLE GRILLES 50% FASTER WITH DU PONT INDUSTRIAL RIVETS

Tough fastening becomes quick and easy with Du Pont Industrial Explosive Rivets. This 3-piece assembly job's a good example. Here's all it takes:

A. Simply align the 3 sections.

B. Insert Industrial Rivets.

C. Apply heated iron to Rivet heads.

Rivets expand in as little as ½ second (see above sketch). Smooth, barrel-shaped heads form on shop ends, locking parts in position . . . eliminating need for filing, grinding or buffing. Takes only half the usual time.

Imagine—almost any fastening job you can name—and *all* this simple! Most operators set 20 to 25 Rivets a minute in grilles, doors, running boards, fenders and interior panels, with neat, factory-like results every time. It's strictly a *one-man* operation, as you work *only* from Rivets' head side . . . no bucking bar or special tools required. And you get fastening that can take it. Strong, one-piece Industrial Rivets won't vibrate loose or break off, producing sturdy sections ready for rough roads.

No matter how tough your present fastening may be—Du Pont Industrial Explosive Rivets can save you time and effort. A new, 32-page manual highlights many of the intricate jobs these fasteners are simplifying. For your free copy, contact your jobber or write: E. I. du Pont de Nemours & Co. (Inc.), Explosives Dept., Wilmington 98, Delaware.

DU PONT

INDUSTRIAL EXPLOSIVE RIVETS

A Product of Du Pont Explosives Research

DU PONT

REG. U. S. PAT. OFF.

BETTER THINGS FOR BETTER LIVING . . . *THROUGH CHEMISTRY*

LAMPS, Back-up, Clearance, Cowl, Dome, Fender, Parking, Stop—cont'd

Anthes Force Oiler Co., Ft. Madison, Iowa. (Tail, parking and clearance.)
Apco Mossberg Co., Lamb St., Attleboro, Miss. "Stream-A-Lite." (License plate.)
Arrow Safety Device Co., M. Holly, N. J. (Tail, dome, parking and clearance.)
Auto Lamp Mfg. Co., 2009 S. Indiana Ave., Chicago 16, Ill. "Pathfinder." (Clearance.)
Berg Mfg. & Sales Co., 18 E. 18th St., Chicago 16, Ill. "Sho-Glo." (Clearance for trailers.)
Betts Machine Co., 1800 Pennsylvania Ave. W., Warren, Pa. "Warren Snap Seal."
Bolser Corp., S. Main St., Cedar Falls, Iowa. (Clearance and marker.)
Bowman Automotive Plastics Co., Box 336, Olmstead Falls, Ohio. (Tail.)
Cole Automotive Products Co., 2040 Fifth St., Detroit 1, Mich. "Merit." (Clearance tail and marker for trucks and buses.)
Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio. "Catseye." (Dome, marker, clearance, back-up, etc.)
Cox Mfg. Co., 305 N. Wayne St., Angola, Ind. "Hartline." (Clearance.)
Delbar Products, Inc., Seventh & Spruce Sts., Perkasie, Pa. (Tail, parking, clearance and back-up.)
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y. (Dome, back-up, tail, parking, running board and clearance.)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Swa-Bak."
Electric Auto-Lite, Co., Lamp Div., Lockland, Ohio. (Cowl, fender, tail and clearance.)
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa. "Keystone."
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.
General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio. (Tail, dash, dome and trunk.)
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio. (Clearance dome, back-up, tail and marker and flashing warning lamps.)
Grote Mfg. Co., Grote Square, Bellevue, Ky. (Tail, back-up, dome, clearance, combination stop, tail and license bracket.)
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
H & P Die & Stamping Co., 13945 Triskett Rd., Cleveland 11, Ohio.
Hall Lamp Co., C. M., 1035 Hancock Ave., E., Detroit, Mich. "Solar."
Hollywood Accessories, Inc., 401 E. Washington Blvd., Los Angeles 15, Calif. (License plate.)
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio. (Back-up, fender, dome, tail, parking and clearance.)
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Kreger Mfg. Co., L. F., 540 W. 35th St., Chicago 16, Ill. (Clearance, For trucks.)
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "R-J." (Parking.)
Lumidor Mfg. Co., 4801 E. 50th St., Los Angeles 58, Calif. (Back-up, warning and clearance.)
McKee Glass Co., Bullitt Ave., Jeanette, Pa. (Dome.)
Miro-Flex Co., 1824 E. 2nd St., Wichita 7, Kan. (Clearance and marker.)
Norlipp Co., 5926 S. Lowe Ave., Chicago 21, Ill (Clearance and back-up.)
Piqua Engineering, Inc., 112 E. Ash St., Piqua, Ohio. (Side lamps for hearses and ambulances.)
Rosen & Co., A. W., 1801 First Ave., New York 28, N. Y. "Rosco." (Cowl, fender, dome, marker, parking and clearance.)
S & M Lamp Co., 119 W. 36th Place, Los Angeles 54, Cal. (Tail, parking clearance, fender, back-up and dome.)
Shaw Co., Joseph, 6120 Detroit Ave., Toledo 7, Ohio. "Torpedo." (Parking.)
Sparton Automotive Div. of Sparks-Withington, Jackson, Mich. (Armored, clearance, flush-type, back-up, marker, tail, and combination stop and tail.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis. (Back-up, clearance, tail and marker.)
Standard-Thompson Corp., Vandalia, Ohio. (Back-up.)
Superior Parts Mfg. Corp., 1922 W. Grand Ave., Chicago 22, Ill. "Saf-T-Ray." (Clearance.)
Ternstedt Div. General Motors Corp., 6307 W. Fort St., Detroit 9, Mich. (Dome.)
Thatcher Glass Mfg. Co., McKee Div., Box 265, Elmira, N. Y. (Dome.)
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill.
U. S. Metal Products Co., 1045 Atlantic Ave., Brooklyn 38, N. Y. "U. S. Pioneer." (Back-up.)
U. S. Tool & Mfg. Co., 1528 Armitage Ave., Chicago 22, Ill. "Eagle Brand." (Clearance and tail.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill. (Back-up.)
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (Fender, back-up, clearance, dome, parking and tail.)

LAMPS, Drying, Baking and Heating

Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Dry Clime Lamp Corp., 410 Mill St., Greensburg, Ind.
Fostoria Pressed Steel Corp., N. Main St., Fostoria, Ohio. "Fostoria Evenray." (Infra-red.)
General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio.
Master Mfg. Co., 811 W. Cabrini St., Chicago 7, Ill. (Infra-red.)
North American Electric Lamp Co., 1014 Tyler St., St. Louis 6, Mo. "Nalco-Drithern." (Infra-red.)
Penetray Corp., 615 Front St., Toledo 5, Ohio. (Infra-red.)
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill.
Westinghouse Lamp Div., Westinghouse Electric Corp., MacArthur Ave., Bloomfield, N. J.

LAMPS, Fog, Head and Spot

American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill. "King Bee Glasseal," "King-Bee Hy-Power."
Appleton Electric Co., 1701 Wellington Ave., Chicago 13, Ill. "Appleton," "Lorraine." (Spot.)
Autocessories Ltd., Div. of Arnolt Corp., Argonne Rd., Warsaw, Ind. "Arno-Lite."
Auto Lamp Mfg. Co., 2909 S. Indiana Ave., Chicago 16, Ill. "Pathfinder." (Fog and spot.)
Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill. "Eureka." (Fog and road.)
Badger Tool & Mfg. Co., 1501 W. Polk St., Chicago, Ill. (Spot center mounted.)
Carpenter Mfg. Co., 195 Master Light Bldg., Somerville 45, Mass. "Master-lights," Roof-mounted, colored and flashing warning lights; "Roofmaster," Roof-mounted spot.
Casco Products Corp., 512 Hancock Ave., Bridgeport 2, Conn. (Spot.)
Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio. "Catseye." (Fog and road.)
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y. (Fog and spot.)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Nobby."
Electric Auto-Lite Co., Lamp Div., Lockland, Ohio. "Sealtite." (Fog and road.)
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa.
Federal Sign & Signal Corp., 8765 S. State St., Chicago 19, Ill. (Flashing red light; also combination siren and warning light.)
General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio. (Fog.)
General Electric Co., Wiring Devices Dept., 95 Hathaway St., Providence 7, R. I. "Monmouth." (Spot.)
Globe Stamping Div., Hupp Corp., 1250 W. 76th St., Cleveland 2, Ohio.
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio. (Fog.)
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky. (Fog.)
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Hall Lamp Co., C. M., 1035 E. Hancock Ave., Detroit, Mich. "Bi-Ray," "Depressbeam," "Flex Beam."
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Lumidor Mfg. Co., 4801 E. 50th St., Los Angeles 58, Calif. "Royal Lumidor." (Fog.)
Matchless Electric Co., 1423 W. Lake St., Chicago 7, Ill.
Portable Light Co., 216 William St., New York 7, N. Y.
S & M Lamp Co., 119 W. 36th Place, Los Angeles 54, Calif.
Sireno Co., 214 William St., New York 38, N. Y. (Revolving warning light.)
Spartan Automotive Div. of Sparks-Withington Co., Jackson, Mich. (Fog and auxiliary driving.)
Standard-Thompson Corp., Vandalia, Ohio. "Mobilite." (Spot.)
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill. "Trippe Safetylight."
U. S. Metal Products Co., 1045 Atlantic Ave., Brooklyn 38, N. Y. "U. S. Pioneer." (Fog.)
United Motor Service, General Motor Bldg., Detroit 2, Mich.
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill. ("Safetylight" Spot; "Unity" fog.)
Westinghouse Lamp Div., Westinghouse Electric Corp., MacArthur Ave., Bloomfield, N. J.
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (Also combination mirror and spot light.)

LAMPS, HEAD, See Lamps, Fog, Head and Spot

LAMPS, Sealed Beam Units

Electric Auto-Lite Co., Toledo 1, Ohio.
General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio.
Guide Lamp Div. General Motors Corp., 25 St. & Arrow Ave., Anderson, Ind.
Trippe Mfg. Co., 609 W. Lake St., Chicago 6, Ill.
Tung-Sol Electric, Inc., 95-8th Ave., Newark 4, N. J.
United Motor Service, General Motor Bldg., Detroit 2, Mich.
Westinghouse Electric Corp., Lamp Div., MacArthur Ave., Bloomfield, N. J.

LAMPS, Tell-Tale, Rear Signal or Tail Lamp Dash

Cole-Hersee Co., 20 Old Colony Ave., Boston 20, Mass.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Lite-D-Tector." (Running lights.)
Eklind Tool & Mfg. Co., 2627 N. Western Ave., Chicago 47, Ill.
Rosen & Co., A. W., 1801 First Ave., New York 28, N. Y.
Signal-Stat Corp., Signal-Stat Bldg., 523-39 Kent Ave., Brooklyn 11, N. Y. (Hand brake and stop light.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis. (Hand brake.)

LAMPS, Trouble, Battery Operated

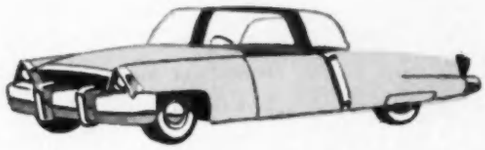
Alden Products Co., 117 N. Main St., Brockton 64, Mass. "Alden Save-Ur-Life." (Plugs into cigar lighter socket; sole distributors, Alden Systems Co., Washington St., Westboro, Mass.)
Arsco Mfg. & Sales Co., 451 Tenth Ave., N. Y. "Tris." (Plugs into cigar lighter socket.)
Busch & Co., A. G., 2632 N. Central Ave., Chicago 39, Ill. "Safety-Flare." (Plugs into cigar lighter socket.)
Cole-Hersee Co., 20 Old Colony Ave., Boston 20, Mass.
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.
Guide Lamp Div., General Motors Corp., 25th St. and Arrow Ave., Anderson, Ind. (Plugs into cigar lighter socket.)
Hollywood Accessories, Inc., 401 E. Washington Blvd., Los Angeles 15, Calif.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S." (Also magnetic.)
Perfection Automotive Products Corp., 725 W. Elizabeth St., Detroit 1, Mich.
Precision Electric Tool & Mfg. Co., 98 Union St., Worcester, Mass.
Standard Portable Cord Div., Lincoln Park Industries, 1300 E. 2 St., Jamestown, N. Y. "Car-Lighter."
U-C Lite Mfg. Co., 1050 W. Hubbard St., Chicago 22, Ill. "Big Beam."
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill.
Westinghouse Lamp Div., Westinghouse Electric Corp., MacArthur Ave., Bloomfield, N. J. (Plugs into cigar lighter socket.)
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.

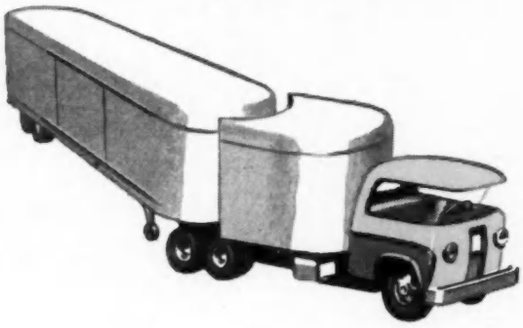
LAMPS, Trouble, Electric

Appleton Electric Co., 1701 Wellington Ave., Chicago 13, Ill. "Reelite."

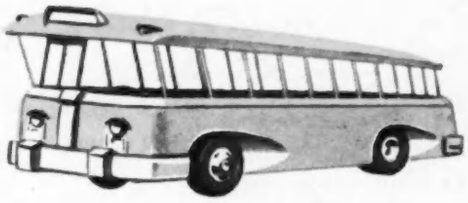
Today...

a new type of bearing





lengthens bearing life,



reduces maintenance cost

MORAINE-400

The tough problem of engine bearings has been solved with Moraine-400—toughest automotive engine bearing ever made! Think of what this means to truck owners in terms of *less* time and expense for bearing maintenance . . . *more* time on the road.

Moraine-400 is made from aluminum-base alloy—developed by General Motors-Moraine research over a ten-year period—that is bonded to a steel back. When Moraine-400 is used bearing *length* can be reduced, crankshafts can be strengthened to handle greater piston loads, and engine builders can pack more horsepower into engines without increasing engine size!

Many new automotive and off-the-road engines—both gasoline and Diesel—that deliver greater power per bearing length are being equipped with Moraine-400 bearings.

Note: Moraine also makes the famous Moraine-100 bearings—original equipment on many of the nation's finest cars and trucks.

m

moraine products

DIVISION OF GENERAL MOTORS CORPORATION, DAYTON, OHIO

LAMPS, Trouble, Electric—cont'd

Arrow Safety Device Co., Mt. Holly, N. J.
Benjamin Reel Products, Inc., 10700 Broadway, Cleveland 25, Ohio.
Black Mfg. Co., M., 300 N. Third St., Philadelphia 6, Pa. "B-Line."
Carpenter Mfg. Co., 195 Master-Light Bldg., Somerville 45, Mass.
Champion Cable Co., 1805 E. 40th St., Cleveland 30, Ohio. "Clark."
Crescent Co., Pawtucket, R. I.
Eagle Electric Mfg. Co., 23-10 Bridge Plaza, S., Long Island City, N. Y.
General Electric Co., Appl. & Mdse. Dept., Bridgeport, Conn. "G-E."
Glade Mfg. Co., 1632 W. 75th Place, Chicago 20, Ill. "Climax," "Super."
Kliegl Bros. Universal Electric Stage Lighting Co., 321 W. 50th St., New York, N. Y.
Lufkin Rule Co., Hess Ave., Saginaw, Mich. "Lufkin mite-mite." (Magnetic.)
Magnetix, Inc., 101 S. Van Brunt St., Englewood, N. J. (Magnetic.)
McGill Mfg. Co., Electrical Div., 259 Indiana Ave., Valparaiso, Ind.
Ohio Parts Co., Theresa St. & Chouteau Ave., St. Louis 3, Mo.
Pyle-National Co., 1334 N. Kostner Ave., Chicago 51, Ill.
Revere Electric Mfg. Co., 6009 Broadway, Chicago 40, Ill.
Royal Electric Co., Pawtucket, R. I.
Save Lamp Co., 3687 Ash St., Baltimore 11, Md.
Standard Portable Cord Div., Lincoln Park Industries, 1300 E. 2nd St., Jamestown, N. Y. "Magic-Lite."
Thompson-Neaylon Mfg. Co., 3545 S. Morgan St., Chicago 9, Ill.
U-C Lite Mfg. Co., 1050 W. Hubbard St., Chicago 22, Ill. "Big Beam."

LANDING GEARS, TRAILER, See Gears, Landing Trailer

LATHES, Bench

Atlas Press Co., 1842 N. Pitcher St., Kalamazoo, Mich.
Blount Co., J. G., 10 Woodland St., Everett 49, Mass.
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Elgin Tool Works, 67 N. State St., Elgin, Ill.
Hardinge Bros., Inc., 1418 College Ave., Elmira, N. Y. (Precision.)
Hjorth Lathe & Tool Co., 12 Beacon St., Woburn, Mass. (Precision.)
LeBlond Machine Tool Co., R. K., Madison & Edwards Rds., Cincinnati 8, Ohio.
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn.
Rivett Lathe & Grinder, Inc., 20 Riverview Rd., Brighton, Boston, Mass.
Sheldon Machine Co., 4240 N. Knox Ave., Chicago 41, Ill.
South Bend Lathe Works, 425 E. Madison St., South Bend 22, Ind.
Springfield Machine Tool Co., Springfield, Ohio.
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trucut." (Piston regrooving & cleaning lathe.)

LATHES, Brake Drum

Ammco Tools, Inc., 2118 Commonwealth Ave., North Chicago, Ill.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Dixie Machine Tool Div. 25 E. Third St., Covington, Ky. (P. O. Box 66, Cincinnati 30, Ohio.)
Evans Reamer & Machine Co., New Lexington, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 31, Calif.
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason."
Sunstrand Machine Tool Co., 2531 Eleventh St., Rockford, Ill.
Van Norman Co., 3640 Main St., Springfield 7, Mass.
VanTool, 139 N. 22nd St., Philadelphia 3, Pa.
Waddell Equipment Co., 101 South Ave., Garwood, N. J.

LATHES, COMMUTATOR, See Undercutters, Mica

LIFT TRUCKS, See Trucks, Lift

LIFTS, Portable One End

Automatic Steel Products, Inc., 1201 Camden Ave., S.W., Canton 6, Ohio.
Bay Mfg. Co., 316 Arlington St., Torrance, Calif.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

LIFTS, TRANSMISSION, See Jacks, Transmissions.

LIFTS, Vehicle, Electric

Globe Hoist Co., E. Mermaid Lane & Queen St., Philadelphia 18, Pa.
Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio.
Rotary Lift Co., 1054 Kansas St., Memphis 2, Tenn.
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

LIFTS, Vehical, Hydraulic

Cochin Mfg. Co., J. D., 1440 E. Grand Ave., South San Francisco, Cal. "Easy." (Also portable.)
Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1927 Kienlen Ave., St. Louis 20, Mo.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
Globe Hoist Co., E. Mermaid Lane & Queen St., Philadelphia 18, Pa. (Air and electrically operated.)
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio.
Rotary Lift Co., 1054 Kansas St., Memphis 2, Tenn. (Air operated.)
United States Air Compressor Co., 3300 Harvard Ave., Cleveland 5, Ohio.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. "Twin-Post." (Pneumatic-hydraulic.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (Rotary.)

LIFTS, Vehicle, Pneumatic

Automotive Equipment Mfg. Co., 11000 South Alameda St., Lynwood, Calif.
Highland Machine Co., 3215 Superior Ave., Cleveland 14, Ohio. "Automatic."
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. (One end.)
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio.
Robison Air Jack Co., 2345 Jerrold Ave., San Francisco 24, Cal. (Front end.)

LIGHTS, See Lamps and Lamp Bulbs

LIGHTS, Timing

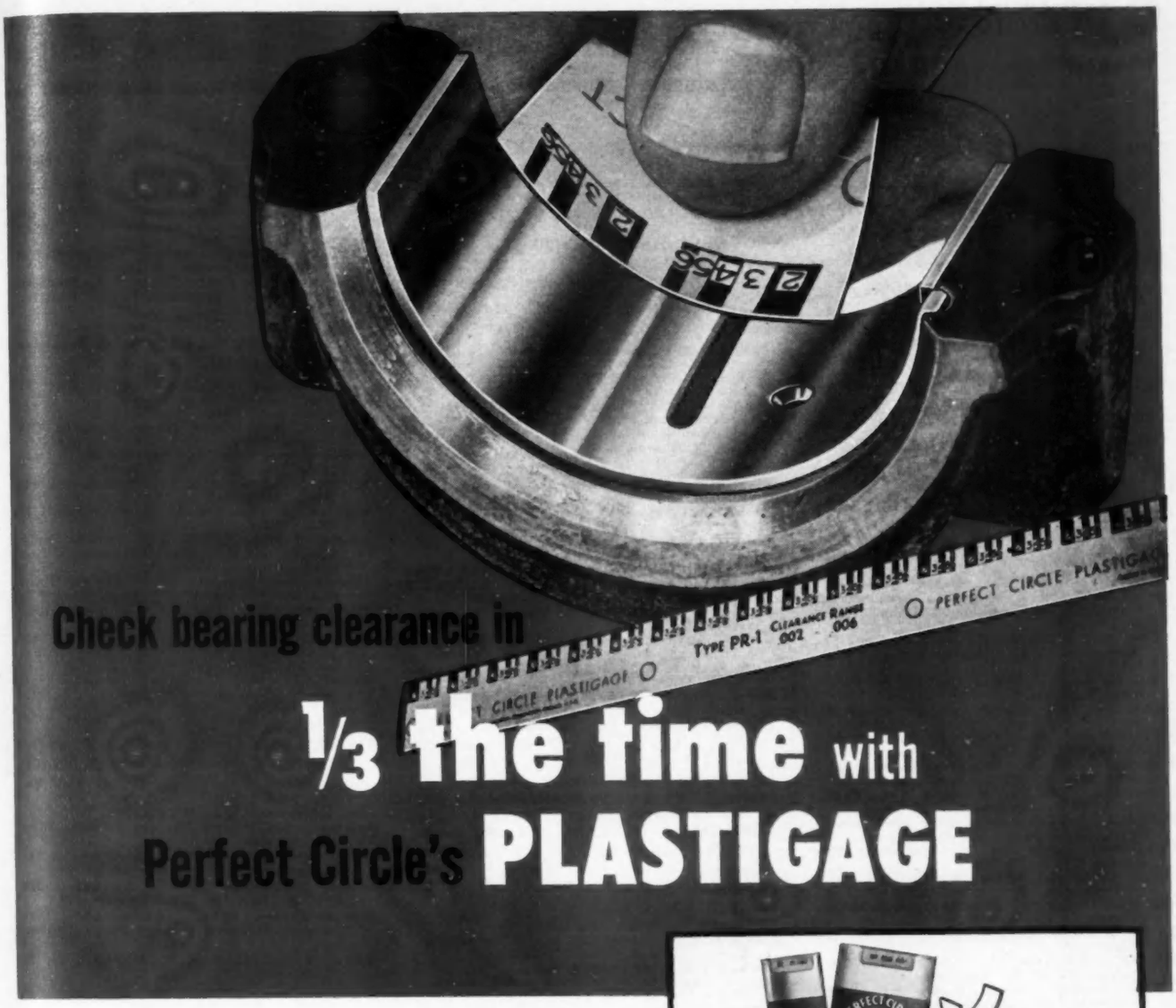
Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I." (Neon light light type.)
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. (Neon light type.)
Arsco Mfg. & Sales Corp., 451 Tenth Ave., New York 18, N. Y. (Neon light type.)
Dorothea Mechanisms, Gale, 81-01 Broadway, Elmhurst, L. I., N. Y.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. (Neon light type.)
Heyer Industries, Inc., 471 Cortlandt St., Belleville 9, N. J.
King Electric Equipment Co., 9115 Inman Ave., Cleveland 5, Ohio.
Nasa Tool Mfg. Corp., New Vienna, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich. (Neon light type.)
Niehoff Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Neon light type.)
Save Lamp Co., 3687 Ash St., Baltimore 11, Md.
Schauer Mfg. Corp., 4500 Alpine Ave., Rossmoyne, Ohio. (Neon light type.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. (Neon light type.)
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill. (Neon light type.)
T. & H. Mfg. Co., 811 E. 31st St., Kansas City 3, Mo. (Neon light type.)
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J.
Tungsten Spark Plug Mfg. Co., Tungsten Bldg., 1716 S. Michigan Ave., Chicago 16, Ill. (Neon light type.)
Weidenhoff, Inc., Joseph, Algona, Iowa. (Neon light type; Sole distributors, Bowser, Inc., Fort Wayne 2, Ind.

LINING, Brake

American Brakeblok Div., American Brake Shoe Co., 4600 Merritt Ave., Detroit 9, Mich.
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Asbestos Textile Co., 165 W. Wacker Drive, Chicago 1, Ill.
Atlas Asbestos Co., North Wales, Pa. "Atlas," "Old Ironsides," "Quaker," "Bodygard," "Lifegard," "Master."
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Colt's Mfg. Co., 17 Van Dyke Ave., Hartford 15, Conn.
Dura-Bond, Inc., 1355 N. Main St., Ann Arbor, Mich.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Gatke Corp., 228 N. La Salle St., Chicago 1, Ill.
General Metals Powder Co., 130 Elinor Ave., Akron 5, Ohio.
Grey Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Grizzly Mfg. Div. Movemont Automotive Products, Inc., 700 W. Caroline St., Paulding, Ohio. "Grizzly Syncro-Set," "X-T," "Grizzly Saftibond."
Hope Webbing Co., Providence 1, R. I.
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio. "Inlite."
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y. "J-M."
Lasco Brake Products Corp., 2615 Magnolia St., Oakland, Calif.
Marshall-Eclipse Div. of Bendix Aviation Corp., Box 538, Troy, N. Y. "Bendix Eclipse."
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill. "Champion," "Miley," "Miley Black Gold," "Miley Ebonite," "Premier," "Zeebee."
Molded Materials Div., Carlisle Corp., Gillis Ave., Ridgway, Pa. "Mold-Block."
National Brake Block Corp., 79 Madison Ave., New York, N. Y. "National," "Seg-Mold," "Alltex."
National Vulcanize Fibre Co., Maryland Ave. & Beech St., Wilmington 99, Del. (Fibre.)
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Rex-Hide Brake Lining Co., 67 Glenwood Pl., East Orange, N. J. "Rex-Hide," "Rex-85," "Rex-Hy," "Rex-SS," "Rexstar."
Rosendale Ruboil Co., 30 Euclid Ave., Newark, N. J. "Reddaway."
Russell Mfg. Co., Middletown, Conn. "Russco."
Scandinavia Belting Co., 250 Central Ave., Newark 1, N. J. "Scandinavia," "Halo."
Southern Friction Materials Co., Box 1475, Chemway Rd., Charlotte, N. C.
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
Triplewear, Inc., 533 40th St., Union City, N. J.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
United States Spring & Bumper Co., Brake Div., 2490 Lafayette St., Santa Clara, Calif. "Silver Line."
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "Wagner CoMaX."
Wellman Co., S. K., 200 Egbert St., Bedford, Ohio. "Velvetouch."
World Bestos Div. of Firestone Tire & Rubber Co., 1112 S. 25th St., New Castle, Ind.

LINKS, Shock Absorber

Anchor Rubber Products, Inc., 1725 London Rd., Cleveland 12, Ohio. "Steelastic."
Automotive Mfg. Co., 570 W. Fulton St., Chicago 6, Ill. "Amko."
Badger Tool & Mfg. Co., 1501 W. Polk St., Chicago, Ill.
Bashian & Sons Co., Henry, 40391 Grand River Ave., Farmington, Mich. "Head Line."



Check bearing clearance in 1/3 the time with Perfect Circle's PLASTIGAGE

Used on more than 3 million engines, recommended by leading engine manufacturers!

It's true! With Perfect Circle's PLASTIGAGE, you can check bearing clearances *easily* and *accurately* in as little as one-third the time required by other methods!

The exclusive easy-to-read Plastigage scale defines bearing clearances at a glance, prevents mistakes, and reveals a major cause of comebacks. There is no other product like it on the market. Use it on every engine overhaul! Perfect Circle Corporation, Hagerstown, Indiana. The Perfect Circle Co., Ltd., Toronto, Ontario.

Restore bearing clearances quickly, accurately, correctly with Perfect Circle

BEARING ADJUSTERS

Pre-cut to exact size!

The Sure Way to More Profitable Engine Overhauls

PERFECT CIRCLE POWER SERVICE

1. (a) **WEAR GAUGE**—quick, accurate check for top groove wear.
   (b) **MANULATHE**—regrooves worn top grooves.
   (c) **STEEL TOP RING GROOVE SPACER**—restores correct top ring side clearance and retards top ring and groove wear.
2. **PERFECT CIRCLE** 2-in-1 CHROME PISTON RINGS—more than doubles the life of cylinders, pistons and rings.
3. **NURLIZING**—restores worn pistons to original fit.
4. **PLASTIGAGE**—checks bearing clearances easily and accurately.
5. **TAPER SHIM BEARING ADJUSTERS**—assure correct bearing clearances in main and connecting rod bearings.

Perfect Circle

The standard of comparison

LINKS, Shock Absorber—cont'd

Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo. (For Ford cars.)
Doan Mfg. Corp., 1761 London Rd., Cleveland 12, Ohio.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Kreger Mfg. Co., L. F., 540 W. 35th St., Chicago 16, Ill. (For Ford cars.)
Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo. "Moog."
O & S Bearing & Mfg. Co., 777 W. Eight Mile Rd., Whitmore Lake, Mich. (For Ford cars.)
Regal Motor Products, Inc., 6325 Grand River Ave., Detroit 8, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Trayer Products, Inc., E. Clinton St., Elmira, N. Y.
Van Bergen & Greener, Inc., 1619 N. Hayne Ave., Chicago 47, Ill. "Vanline."
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

LINKS, Tire Chain Repair

Campbell Chain Co., York, Pa.
Cleveland Chain & Mfg. Co., Broadway & Chaincraft Rd., Cleveland 5, Ohio. "Wearwell."
Flower City Specialty Co., 158 Hollenbeck St., Rochester, N. Y. "Monkey Links," "Pretzel Links."
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa.
Nixdorff-Krein Mfg. Co., 916 Howard St., St. Louis 6, Mo. "Elephant Brand."
Peerless Chain Co., Front & Walnut Sts., Winona, Minn. "Wing-Loc."
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Raymond Mfg. Co., Div. of Associated Spring Corp., 226 S. Center St., Corry, Pa.
Roll-O-Matic Chain Co., 200 Wyandotte St., Kansas City 6, W. Mo.
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn.
Round Chain & Mfg. Co., 5050 S. Austin Ave., Chicago, Ill. "Wearwell."
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y. "Sam-Sons."
Taylor Chain Co., S. G., P. O. Box 509-C, Hammond, Ind. "Taylor-Made."
Western Chain Co., 1807 Belmont Ave., Chicago 13, Ill. "Wesco."
Wickwire Spencer Steel, Div. of Colorado Fuel & Iron Corp., 575 Madison Ave., New York 22, N. Y.

LOAD BINDERS (For Holding Cargo in Vehicle Body)

Canton Cast Products Co., 2400 13 St., N.E., Canton 5, Ohio. (Also exclusive distributor for American Forge & Mfg. Co.) (Ratchet type.)
Canton Malleable Iron, Canton, Ohio.
Eagle Mfg. Co., Appleton, Wis.
Jordan Equipment Co., 2526 Wood St., Oakland 7, Calif. "Lode-Lok."
Stacy Mfg. Co., Tiffin, Ohio.

LOADERS, Truck (Elevating Tailgate)

Anthony Co., Streator, Ill.
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio.
Daybrook Hydraulic Div, L. A. Young Spring & Wire Corp., Bowling Green, Ohio. "Daybrook Power Gate."
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich. "Modern."
Galion Allsteel Body Co., 605 S. Market St., Galion, Ohio.
Gar Wood Industries, Inc., Wayne, Mich. "Garwood."
Heil Co., Dept. 6253, 3000 W. Montana St., Milwaukee 1, Wis.
Hercules Steel Products Corp., Box 477, Galion, Ohio.
Marion Metal Products Co., Cheney Ave., Marion, Ohio. "Marion Hydrogate."
National Lift Co., Wayne, Mich. "Lift-O-Matic."
Perfection Steel Body Co., S. East St., Galion Ohio.
Revolvator Co., U. S. Route 1 at 86th St., North Bergen, N. J.
Ven Corp., 2828 Newell St., Los Angeles 39, Cal. "Venco."

LOCKS, Brake, Hill Holding

Automatic Brake Control Co., 1 Flax St., Delaware, Ohio. "ABC." (Automatic hydraulic.)
Minnesota Automotive, Inc., 1101 N. Front St., Mankato, Minn. "Mico." (Also front brake control.)
Sharp Mfg. Co., 109 W. Columbus St., Nelsonville, Ohio. "Double Check," "Sharp."
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "NoRol."
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Wico Electric Co., 42 Phelon Ave., West Springfield, Mass.

LOCKS, Ignition

Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis.
Chicago Lock Co., 2024 N. Racine Ave., Chicago 14, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Eagle Lock Co., S. Main St., Terryville, Conn.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Automotive Specialty Co., 10-40 45th Ave., Long Island City 1, N. Y.
Hurd Lock & Mfg. Co., 219 N. Main St., Almont, Mich.
Miller Co., L. B., 394 State St., Stamford, Conn.
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts. (Holmesburg), Philadelphia, Pa. "Mitchellock."

LP GAS, See Fuels, Engine
LUBRICANTS, ENGINE & CHASSIS, See Oils and Lubricants
LUBRICANTS, GEAR, See Oils and Lubricants

LUBRICANTS, Tire

American Grease Stick Co., 1146 Hoyt St., Muskegon, Mich. "Ru Glyde."
American Sand-Banum Co., Inc., 9 Rockefeller Plaza, N. Y. 20, N. Y. "Tinallium."
Bishman Mfg. Co., Osseo 4, Minn.
Cohutta Talc Co., P. O. Drawer 363, Dalton, Ga.
Doggett, Inc., Stanley, 75 Varick St., New York 13, N. Y.
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
National Adhesives Div. of National Starch Products, Inc., 270 Madison Ave., New York 16, N. Y.
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Miracle."

LUBRICATORS, Hand

Adams Grease Gun Corp., 54 W. 21st St., New York 10, N. Y.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Bishman Mfg. Co., Osseo, Minn.
Coil Mfg. Co., 1013 N. Fares Ave., Evansville 11, Ind. (Universal joint, clutch and shock absorber.)
De Vilbiss Co., 300 Phillips Ave., Toledo 1, Ohio.
Dixon Crucible Co., Joseph, Monmouth & Wayne Sts., Jersey City 3, N. J. "Graph-Air." (Graphite.)
Dutton-Lainson Co., Mfg. Div., Hastings, Neb. "Golden Rod."
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Inter-Continent Mfg. Co., 117 E. 13th St., Chicago 5, Ill. "Imco-Lube."
K. P. Mfg. Co., 1226 Linden Ave., Minneapolis 1, Minn.
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo. "Handi-Lubers."
Noera Mfg. Co., Div. of Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn.
Smith Equipment Corp., Herb., 414 Taylor Bldg., Rochester, N. Y.
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Wood Co., John, Bennett Pump Div., Broadway & Wood St., Muskegon, Mich. "Bennett."

LUBRICATORS, Portable, High Pressure, Compressed Air

Adams Grease Gun Corp., 54 W. 21st St., New York 10, N. Y.
Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Brown Grease Gun Co., Charlotte, N. C.
Bud Mfg. Co., R. D., 31, Pulaski, N. Y.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Lincoln Engineering Co., 5701 Natural Bridge Ave, St. Louis 20, Mo. "Autoluber," "Lubriguns," "Powerlubers."
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.

LUBRICATORS, Portable, High Pressure, Electric

Adams Grease Gun Corp., 54 W. 21st St., New York 10, N. Y.
Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Hobbs Corp., John W., Yale Blvd. & Ash St., Springfield, Ill. "Electro-Draulic."
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo. "Lubriguns."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

LUBRICATORS, Portable, High Pressure, Hand Operated

Adams Grease Gun Corp., 54 W. 21st St., New York 10, N. Y.
Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Jiffy Lubricator Co., 304 Second Ave., Fargo, N. D.
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo. "Lincoln Porto-Pak."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.
Wayne Pump Co., Wayne-Marvel Div., Salisbury, Md.

LUBRICATORS, Stationary, High Pressure, Compressed Air

Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco."
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo. "Lubriguns," "Masterluber."
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover."
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.

"amazed" him

BOSTON OFFICE
56 MIDWAY STREET
TEL. S. BOSTON 8-2900 — 8-2901

WORCESTER OFFICE
5 WINTER STREET
TEL. 3-5982

BROCKTON OFFICE
249 MONTELLO STREET
TEL. 3460

PROVIDENCE, R. I. OFFICE
589 NO. BROADWAY
TEL. E. PROV. 1-5129

P. WAJER AND SONS EXPRESS CO., INC.

BOSTON AND WEBSTER FREIGHT FORWARDERS
MAIN OFFICE — 26-28 POLAND STREET
WEBSTER, MASSACHUSETTS
PHONES 916 - 917

December 9, 1953

World Bestos
New Castle
Indiana

Gentlemen:

Some three years ago your representative called on us with the salesman from your local distributor, Billings Auto Supply Company, Inc., of Worcester, Mass.

Although we were not having any particular brake troubles and considered that our brake mileage was adequate, we decided to try your Red Block Combination on some of our units. We were amazed at the increased mileage and excellent drum conditions on these units.

As a result our entire fleet is now operating on World Bestos Red Block sets and we sincerely recommend that any fleet owner interested in obtaining the minimum in cost of brake maintenance try your Red Blocks. We know that the results will speak for themselves.

Sincerely yours,

P. WAJER AND SONS EXPRESS CO., INC.

Stanley Andrzejewski

Stanley Andrzejewski
Maintenance Superintendent

LUBRICATORS, Upper Cylinder

Automotive & Marine Products Corp., 87 Harvard Ave., Boston 34, Mass. "Ampco."
Emerol Mfg. Co., 242 W. 69th St., New York 23, N. Y. "Marvel Inverse Oiler."
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.
United States Aviex Corp., 135 Maple St., Niles, Mich. "Aviex."
White Automotive Products, Inc., 1604 Douglas Ave., North Providence 4, R. I. (Sole distributors, R. M. Hollingshead Co., 840 Cooper St., Camden 2, N. J.)

LUGS, Solderless

(Covering advertisers only)

Burndy Engineering Co., Norwalk, Conn. "Hydent."

MACHINES, Babbitting, Main Bearing & Connecting Rod

Freeport Machine Works, 120 E. Main St., Freeport, Ill.
Waterbury Tool Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 91, Conn. "Waterbury-Simplicity." (Connecting rod.)

MACHINES, Bonding, Cracked Cylinders

K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo. (Also combination bonder and arc welder.)
Moguloid Co. of America, 3520 W. Carroll Ave., Chicago 24, Ill. (Acr.)

MACHINES, Boring, Main Bearing, Connecting Rod and Camshaft

(See also Reamers, Main Bearing and Connecting Rod)

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill (Main and camshaft bearing.)
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids, Iowa. "Kwik-Way." (Main bearing.)
Evans Reamer & Machine Co., New Lexington, Ohio.
Ex-Cell Corp., 1200 Oakman Blvd., Detroit 32, Mich. "XLO."
Fulmer Co., C. Allen, 1211 First National Bank Bldg., Cincinnati, Ohio.
Hydro-Borer Co., Div. of Southwest Development Co., 1601 E. Olympic Blvd., Los Angeles 21, Calif.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Main and camshaft bearing.)
Snyder Tool & Engrg. Co., 3400 E. Lafayette Ave., Detroit 7, Mich.
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex. (Connecting rod bearing.)
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Tobin-Arp Mfg. Co., 6400 Penn Ave., S., Minneapolis 23, Minn.
Van Norman Co., 3640 Main St., Springfield 7, Mass. (Connecting rod.)
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Wi-To-Co."

MACHINES, Boring, Piston Pin Bushing

Hydro-Borer Co., Div. of Southwest Development Co., 1601 E. Olympic Blvd., Los Angeles 21, Calif.
Tobin-Arp Mfg. Co., 6400 Penn Ave., S., Minneapolis, 23, Minn.
Van Norman Co., 3640 Main St., Springfield 7, Mass.

MACHINES, Brake Relining

Barrett Equipment Co., 2101 Cass Ave., St. Louis, Mo. "Barrett Brake Dokter."
Chicago Rivet & Machine Co., 9608 W. Jackson Blvd., Bellwood, Ill. (Chicago Suburb.) "Chicago," "Buffalo," (Reliners and rivet setters, "Reliance," combination deliner, reliner and grinder, etc.)
Evans Reamer & Machine Co., New Lexington, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
National Rivet & Mfg. Co., Waupun, Wis.
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Rex-Hide Brake Lining Co., 67 Glenwood Pl., East Orange, N. J.
Robinson Products, Inc., 16550 Wyoming Ave., Detroit 21, Mich. (Pneumatic.)
Shepard-Thomason Co., 2023 W. Gage Ave., Los Angeles 47, Calif. "Thomason." (Combination brake lining and brake shoe grinding.)
Star Machine & Tool Co., 201 Sixth St., S. E., Minneapolis 14, Minn.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W." (For Ford cars.)

MACHINES, Clutch Rebuilding

(See also Tools, Clutch Alignment)

Accurate Parts Mfg. Co., 1600 S. Ashland Ave., Chicago 8, Ill.
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg-Warner."
Miller Tool & Mfg. Co., 1725 16th St., Detroit, Mich.
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
Van Norman Co., Springfield 7, Mass.
Westbrook Industries, Inc., 140 Malvern St., Newark 5, N. J. (Bonding oven and related equipment.)

MACHINES, FRONT END & AXLE ALIGNMENT, See Gages, Wheel & Axle Alignment

MACHINES, Piston Turning and Grinding

Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids, Iowa. "Kwik-Way."
Landis Tool Co., Sixth & Church St., Waynesboro, Pa. (Grinding.)
Store-Vulcan, Inc., 2504 Commerce St., Dallas 1, Tex.
Van Norman Co., 3640 Main St., Springfield 7, Mass.

MAGNESIUM ALLOYS

Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Dow Chemical Co., 919 Jefferson Ave., Midland, Mich. "Dowmetal." (Bars, Rods, shapes, sheet and plate.)
Federated Metals Div. American Smelting & Refining Co., 120 Broadway, New York 5, N. Y.
Niagara Falls Smelting & Refining Div. Continental Copper & Steel Industries, Inc., 2204 Elmwood Ave., Buffalo 23, N. Y.
Wellman Bronze & Aluminum Co., 12800 Shaker Blvd., Cleveland 20, Ohio

MAGNETOS

American Bosch Div., American Bosch Arma Corp., 3664 Main St., Springfield 7, Mass.
Fairbanks Morse & Co., Magneto Div., Beloit, Wis.
Griswold Co., F. T., Lancaster Pike, Devon, Pa. "Vertex."
Jack & Heintz, Inc., 17600 Broadway, Cleveland 1, Ohio. "Eiseman."
Scintilla Magneto Div., Bendix Aviation Corp., Sherman Ave., Sidney, N. Y. "Bendix."
Wico Electric Co., 42 Phelon Ave., West Springfield, Mass.

MANIFOLDS, Intake and Exhaust

Continental Motors Corp., Muskegon 82, Mich.
Detroit Gasket & Mfg Co., 12640 Burt Rd., Detroit, Mich. "Steelbestos."
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Tube Manifold Corp., 1100 Military Rd., Buffalo 17, N. Y.

MANUAL, Diesel

Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa.

MAPS

Hearne Bros., National Bldg., Detroit 26, Mich.

MASKING, Liquid

Adhere Inc., 1220 Maple Ave., Los Angeles 15, Calif. "Spraymask."
Briggs Mfg. Co., 3675 E. Outer Drive, Detroit 34, Mich.
Dennis Chemical Co., 2701 Papin St., St. Louis 3, Mo. "Red-Skin."
Detrex Corp., Box 501, Detroit 32, Mich. "LPM."
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio.
du Pont de Nemours & Co., E. I. Finishes Div., Refinish Sales Dept., Wilmington 98, Del.
Hanson-Van Winkle-Munning Co., Matawan, N. J. "Kote-Masq," "Kote-Rax."
Ken-nite Co., 2936 Hancock Ave., W., Detroit 8, Mich.
Martin-Senour Co., 2520 Quarry St., Chicago 8, Ill.
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Protexit."
Permo Products Co., 1629 Platte St., Denver 2, Colo. "Permo Mask Eze."
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. "Plask."
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Swavely Chemical & Varnish Works, 831 Page St., Flint 5, Mich. "Smooth Glaze."
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turco Duramask."

MASKING, Tape

Behr-Manning Corp., 1354 Seifert St., Troy, N. Y. "Behr-cat."
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y. "Flexbac."
Chicago Show Printing Co., Mystik Adhesive Div., 2635 N. Kildare Ave., Chicago 39, Ill. "Mystik."
Continental Tapes, P. O. Box 256, Cayce, S. C.
Industrial Tape Corp., New Brunswick, N. J. "Permacel."
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn. "Scotch."
Seamless Rubber Co., 253 Hallock Ave., New Haven 3, Conn.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. "Plask."
Van Cleef Bros., Inc., 7800 So. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand Mask-O," "Dutch Brand Techni."

MASKS, Lettering

Dicks Co., C. O., 8544 Grand River, Detroit 4, Mich.

METALIZING EQUIPMENT, See Sprayers, Molten Metal

METERS, Air Tower, Automatic

Erie Meter Systems, Inc., 1602 Wagner Ave., Erie, Pa.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Gilbarco." (Automatic.)
Romort Mfg. Co., Oakfield, Wis. "Romort," "Arno."
Wood Co., John, Bennett Pump Div., Broadway & Wood Sts., Muskegon, Mich. "Eco Tireflater." (Combination air & water supply unit also.)

METERS, Brake Testing

American Instrument Co., Silver Springs, Md.
Bennett-Feragen 1408 Jerome St., Niles, Mich.
Tapley Products, 53 Park Place, New York 7, N. Y.

METERS, Exhaust Smoke

Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa.

MICROMETERS

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill. (Brake drum.)
Bartlett Engrg. Co., 1214 Partridge Ave., Beloit, Wis. (Pedestal.)
Bath & Co., John, 18 Grafton St., Worcester 8, Mass. (Internal.)
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Central Tool Co., 456 Wellington Ave., Cranston 10, R. I. "Central," "Read-Rite."
Do All, 254 N. Laurel Ave., Des Plaines, Ill.
Federal-Mogul Service, Detroit 13, Mich. (Crankshaft gage.)

The best costs less than the rest...

HEIN-WERNER

—the lowest priced major line of hydraulic jacks

Unbelievable but true! Hein-Werner Hydraulic Jacks—quality standard of the industry — are priced lower than any other major line. Starting at only $8.80, the complete line includes models of 1½, 3, 5, 8, 12, 20, 30, 50, and 100 tons capacity.

You owe it to yourself to compare them dollar-for-dollar and feature-for-feature with any other jacks on the market. You'll find them the best buy . . . by far! And remember, Hein-Werner manufactures and sells more hydraulic jacks than any other company in the world today.

See your H-W jobber or write us

LOOK AT THESE VALUE-PACKED FEATURES:

- **Pressure Tested Castings**
- **Extra Large Base**
- **Positive Action Release Valve**
- **Circular Grooved Ram Head**
- **Center-Balanced Malleable Handle Socket**
- **Vertical or Horizontal Positioning**
- **Safety By-Pass to Prevent Over-Travel of Ram**
- **Factory Tested at 1½ Times Rated Capacity**

HEIN-WERNER CORPORATION
WAUKESHA, WISCONSIN

Hein-Werner HYDRAULIC JACKS

The complete Hein-Werner line of hydraulic jacks includes: Under-Axle Jacks of 1½ to 100 tons capacity . . . "Bumper-Lift" Jacks for passenger cars . . . "Swift-Lift" and Service Jacks for shop use . . . Adjustable Car Stands . . . "Push and Pull" and "Pushmaster" Jacks for body, fender, and frame repair work.

MICROMETERS—*continued*

Federal Products Corp., 1144 Eddy St., Providence 1, R. I. (Indicating.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lufkin Rule Co., Hess Ave., Saginaw, Mich. (Crankshift, inside, outside, etc.)
Millers Falls Co., Greenfield, Mass.
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn. "P & W Spuermicrometer."
Rimat Tool Co., 21 W. Dayton St., Pasadena 2, Calif. (Inside.)
Scherr Co., George, 200 Lafayette St., New York 12, N. Y.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Swedish Gage Co. of America, 10641 Haggerty Ave., Dearborn, Mich.
Van Keuren Co., 176 Waltham St., Watertown, Mass. (Light wave.)

MIRRORS, Panel, Bus

Acme Specialty Mfg. Co., 2298 Smead Ave., Toledo 6, Ohio.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Standard Mirror Co., 141 Milton St., Buffalo 10, N. Y.

MIRRORS, Rear View

American Automatic Devices Co., Throop, Harrison & Congress Sts., Chicago 7, Ill. "King Bee."
Anthes Force Oiler Co., Fort Madison, Iowa. "Anthes Mirror Head."
Arrow Safety Devices Co., Mt. Holly, N. J.
Arvin Industries, Inc., 13th St. & Big Four R. R., Columbus, Ind.
Aves Electric Co., 2010 S. Westgate Ave., Los Angeles 25, Calif. "Aeco" (clamp on); "Cobra."
Bolser Corp., S. Main St., Cedar Falls, Iowa. "Ful-Vue."
"Defrosto" Mirrors, Inc., 11298 S. Alameda St., Lynwood, Calif.
Delbar Products, Inc., 7th & Spruce Sts., Perkasie, Pa.
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y.
Doray Lamp Co., 1458 S. Michigan Ave., Chicago, Ill.
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa.
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio.
Grote Mfg. Co., Lafayette & Grandview Ave., Bellevue, Ky.
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kastor, Inc., 200 Lincoln Ave., New York 54, N. Y.
Miro-Flex Co., 1824 E. Second St., Wichita 7, Kansas.
Mirror Products Co., 13700 Lyndon St., Detroit 27, Mich.
Mosby Mfg. Co., 13 N.E., Main St., Minneapolis 13, Minn. (Folding.)
Norlipp Co., 5925 S. Lowe Ave., Chicago 21, Ill.
Prutsman, Ted., 1606 E. 88th St., Los Angeles 2, Calif. "Defrosto."
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich. (Outside truck.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis. "Ducksback," (Truck.)
Whitehead Stamping Co., 1661 W. Lafayette Blvd., Detroit 16, Mich. "Hindview."
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn.

MOLDS, Tire Recapping and Retreading

Akron Equipment Co., E. Exchange & Annadale St., Akron, Ohio. "Tyrwelder."
American Tire Machinery, Inc., 724 S. Elliott St., Muncie, Ind.
Bacon Vulcanizer Mfg. Co., 1295 67th St., Oakland 8, Calif.
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 1, Cal. (Sectional.)
Firestone Tire & Rubber Co., S. Main St., Akron, Ohio.
Heintz & Co., James C., 3738 W. 14th St., Cleveland, Ohio.
Lewis Equipment & Supply Co., 2740 Zuni St., Denver 11, Colo. "Tru-Cure."
Super Mold Corp. of Calif., 420 N. Sacramento St., Lodi 2, Calif. "Lodi."

MONORAILS—See Cranes, Monorail
MOTOR OIL, See Oils & Lubricants (Engine & Chassis)

MOTORS, Starting, Electric

American Generator & Armature Co., 2614 W. 48th St., Chicago 32, Ill.
Arrow Armatures Co., 15 Fordham Rd., Boston 34, Mass. (Rebuilt.)
Delco-Remy Div., General Motors Corp., Anderson, Ind.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite."
Electric Auto-Lite Co., Owen Dyneto Div., 1930 Park Ave., Syracuse, N. Y.
General Armature & Mfg. Co., Mill Hall, Penna. "BV."
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio. "L-N."
United Motor Service, General Motors Bldg., Detroit 2, Mich.

MOTORS, Starting, Air

GMC Truck & Coach Div., General Motors Corp., 660 So. Blvd., E., Pontiac 11, Mich.
Ingersoll Rand Co., 11 Broadway, New York 4, N. Y.

MOUNTINGS, Rubber, Insulated

Anchor Rubber Products, Inc., 1725 London Rd., Cleveland 12, Ohio. "Steelastic."
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Bushings, Inc., 4358 Coolidge Highway, Royal Oak, Mich. "Rubberflex."
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo. (Engine, for Ford and Chevrolet cars.)
Doan Mfg. Corp., 1761 London Road, Cleveland 12, Ohio. "Armor-Flex."
Dryden Rubber Div., Sheller Mfg. Corp., 1014 S. Kildare Ave., Chicago 24, Ill.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
General Tire & Rubber Co., Industrial Products Div., 1708 Englewood Ave., Akron 9, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. (Engine and radiator.)
Houser Engrg. & Mfg. Co., 200 E. Spring St., Bluffton, Ind.
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.
Looch & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Lord Mfg. Co., 1635 W. 12th St., Erie, Pa. (Shear type.)
Lorraine Mfg. Corp., 54 W. Hunter Ave., Maywood, N. J.
M B Mfg. Co., 1060 State St., New Haven 11, Conn. "Isomode."
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Roberts Toledo Rubber Co., Prospect & MC R.R., Toledo 6, Ohio.
Rodic Chemical & Rubber Corp., Allen Ave., New Brunswick, N. J.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. (Engine.)
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y.
Wohlert Corp., 700 E. Grand Ave., Lansing 6, Mich.

MUFFLERS, Exhaust

AP Parts Corp., AP Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio. (For autos, buses, trucks and tractors.)
Alexander-Tagg Industries, Inc., Jacksonville Rd. & Summit Ave., Hatboro, Pa. "ATI." (Truck to order.)
Arvin Industries, Inc., 13th St. & Big Four R. R., Columbus, Ind.
Buffalo Pressed Steel Co., 460 N. Meridan Rd., Youngstown 9, Ohio.
Caulkins Mufflers, P. O. Box 724, New London, Conn.
Defiance Mfg. Co., Defiance, Ohio.
De Koven Mfg. Co., 1201 Michigan Blvd., Racine, Wis. "Soundmaster."
Donaldson Co., Inc., 666 Pelham Blvd., St. Paul 4, Minn. (Truck.)
Douglas Muffler Mfg. Co., 1916 W. Valley Blvd., Alhambra, Calif.
Ero Mfg. Co., 714 W. Monroe St., Chicago, Ill.
Goerlich's, 619 Smith St., Toledo 1, Ohio.
Haviland Co., Arnold, Defiance, Ohio. "O. K."
Hayes Industries, Inc., Wildwood and Fern Aves., Jackson, Mich.
Hill Mfg. Co., C. L., 210 South Ave., E., Cranford, N. J. (Vacuum, for autos, trucks and tractors.)
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lindy's, Inc., 3381 E. Olympia St., Los Angeles 46, Calif.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. "Hy-Power."
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.
MacKenzie Muffler Co., 460 N. Meridian Rd., Youngstown 9, Ohio.
Maremont Automotive Products, Inc., S. Ashland Ave. at 16th St., Chicago 8, Ill. (Auto, truck and bus.)
Nelson Muffler Corp., Stoughton, Wis. (For buses, trucks and tractors.)
Ohio Parts, Inc., 307 Perry St., Defiance, Ohio.
Oldberg Mfg. Co., 620 N. Seventh St., Grand Haven, Mich.
Oxy-Catalist, Inc., Wayne, Pa. (Catalist muffler for fork life truck.)
Porter Muffler Mfg. Co., 11820 W. Olympia Blvd., Los Angeles 64, Calif.
Powel Muffler Co., P. O. Box 117, Utica, N. Y.
Pratt Industries, Inc., 1600 S. Ashland Ave., Chicago 8, Ill.
Riker Mfg. Co., 4809 N. Detroit Ave., Toledo 12, Ohio. (For trucks and buses.)
Southern California Muffler Co., 11039 Washington Blvd., Culver City, Calif. "Belond."
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis. (Individually tuned.)

NOZZLES, Air

(See also Chucks, Air, Tire Inflating)

Aero-Motive Mfg. Co., 1803 Alcott St., Kalamazoo 24, Mich. "Zoo."
Amseco, Inc., 145 S. Monterey Ave., Villa Park, Ill.
Aro Equipment Corp., Bryan, Ohio.
Barmotive Products, Inc., 440 Peralta Ave., Sanleandro, Calif.
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Champion Pneumatic Machinery Co., 825 N. Pleasant St., Princeton, Ill.
Clements Mfg. Co., 6650 S. Narragansett Ave., Chicago, Ill. "Clements-Cadillac."
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif.
Druge Bros. Mfg. Co., 888 92nd Ave., Oakland 3, Cal. "Tru-Flate."
Dutton-Lamson Co., Mfg. Div., Hastings, Neb. "Golden Rod."
Electric Sprayit Co., 14th & Illinois Sts., Sheboygan, Wis. "Sprayit."
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hansen Mfg. Co., 4031 W. 150th St., Cleveland 11, Ohio.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Koehler Rubber & Supply Co., 3865 Carnegie Ave., Cleveland 15, Ohio. "Tri-Con."
Lonn Mfg. Co., 131 E. New York St., Indianapolis 6, Ind.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Norgren Co., C. A., 222 Santa Fe Drive, Denver 9, Colo.
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Purfex Mfg. Co., Box 118, Collegeville, Pa.
Romort Mfg. Co., Oakfield, Wis.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Cal.
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Superior Pneumatic & Mfg., Inc., 4758 Warner Rd., Cleveland 25, Ohio. "Bully."
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.

what a relief!

Revolutionary New Spicer Center Bearing Mounting for Spicer Propeller Shafts

REDUCES VIBRATION UP TO 80%

LENGTHENS TRUCK AND PARTS LIFE

LESSENS DRIVING FATIGUE

Happy days ahead, for many drivers of 1955 trucks!

The new Spicer Center Bearing Mounting has put the shackles on destructive, annoying propeller shaft vibration ordinarily transmitted through center bearing supports!

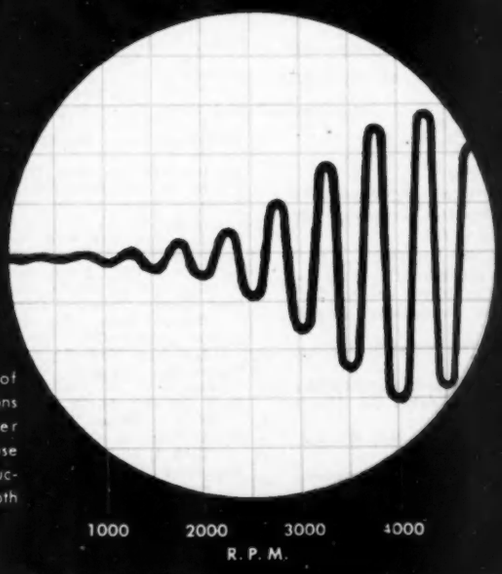
Gone is the propeller shaft hum . . . the buzz . . . the penetrating, nerve-wracking oscillations that weary the driver's body and wrack the truck's frame.

The Spicer Center Bearing Mounting embodies a revolutionary combination of ball bearing and low-frequency rubber. This achieves remarkably low vibration transmissibility at driving speeds. It dampens . . . deadens . . . absorbs nearly all the vibration disturbances transmitted to it from the drive line.

The new Spicer mounting is an outstanding engineering advancement. It is as momentous and far-reaching in effect as the now-famous soft-rubber engine mounting principle. One ride in a truck equipped with this Spicer unit will quickly prove its driver-saving, truck-saving ability.

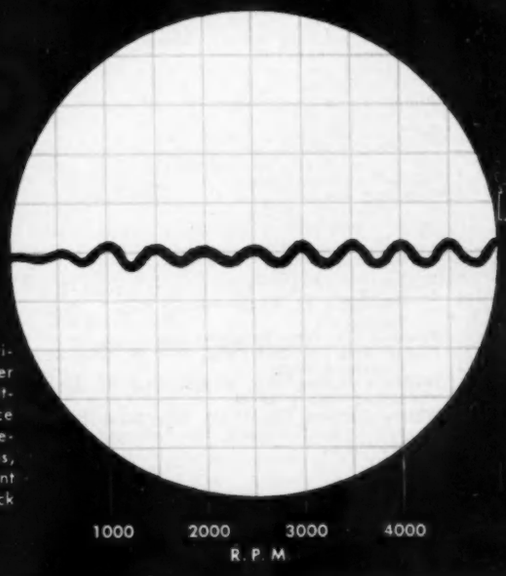
The new Spicer Center Bearing Mounting is available for original truck equipment, as an integral part of the Spicer Propeller Shaft assembly. It is another Spicer engineering "first," typical of Spicer pioneering that has been dedicated to the advancement of the automotive industry.

Oscillograph Recording of Standard Center Bearing Mounting



Extreme variation of amplitude of vibrations in standard center bearing mounting cause excessive and destructive vibration to both truck and driver.

Oscillograph Recording of New Spicer Center Bearing Mounting



Small modulus of vibration in new Spicer Center Bearing Mounting indicates absence of annoying, trouble-making frequencies, assuring more pleasant and profitable truck operation.

TOLEDO 1, OHIO

SPICER PRODUCTS: TRANSMISSIONS • UNIVERSAL JOINTS • PROPELLER SHAFTS • AXLES • TORQUE CONVERTERS • GEAR BOXES • POWER TAKE-OFFS • POWER TAKE-OFF JOINTS • RAIL CAR DRIVES • RAILWAY GENERATOR DRIVES • STAMPINGS • SPICER and AUBURN CLUTCHES • PARISH FRAMES

NOZZLES, Fuel

(See also Pumps, Gasoline)

Buckeye Iron & Brass Works, Dept. C, Box 883, Dayton 1, Ohio. "Buckeye Safety-Fill Nozzle."

NOZZLES, PAINT SPRAY, See Sprayers, Paint, Varnish and Lacquer

NUTS, Lock and Self-Locking

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Allen Mfg. Co., 100 Sheldon St., Hartford 2, Conn. "Allenut."
Automatic Nut Corp., 16th & Willow Sts., Lebanon, Pa. "Anco."
Blaisdell Mfg. Co., 1350 Coronado Ave., Long Beach 4, Calif.
Boots Aircraft Nut Corp., 50 John St., Stamford, Conn. "Trilok," "Plate-Lok," "Hex-Lok." (Self-locking.)
Boss Bolt & Nut Co., 3403 W. 47th, Chicago 32, Ill.
Canady-Wiley Mfg. Co., 1517 S. Evergreen St., Los Angeles 23, Calif. "C-W." (Safety ring.)
Champ-Items, Inc., 6191 Maple Ave., St. Louis 14, Mo. "Champloc."
Delron Co., 5224 Southern Ave., South Gate, Calif. "Delron," "Dura-Loc." (Self-locking.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Eaton Mfg. Co. (Reliance Spring Washer Div.), Massillon, Ohio.
Elastic Stop Nut Corp. of America, 2330 Vauxhall Rd., Union, N. J. "Esna." (Self-locking.)
Greer Stop Nut Co., 2622 W. Flournoy St., Chicago 12, Ill.
Grip Nut Co., 315C S. Michigan Ave., Chicago 4, Ill. "Gripco."
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill. "Hillco."
Lamson & Sessions Co., 1971 W. 85th St., Cleveland 2, Ohio.
Lock Thread Corp., 2833 E. Grand Blvd., Detroit 11, Mich. (Licensors.)
National Machine Products Co., 44225 Utica Rd., Utica, N. Y. "Huglock" & "Marsden."
National Screw & Mfg. Co., 2440 E. 75th St., Cleveland 4, Ohio. "Drake," "Dynamic," "Marsden," "Huglock."
Nylok Corp., Elmira, N. Y. (Licenses.)
Palnut Co., 54 Cordier St., Irvington 11, N. J. (Combination lock washer and nut.)
Prestole Corp., 1351 Miami St., Toledo 5, Ohio.
Republic Steel Corp., Republic Bldg., Cleveland, Ohio. "Nylok." (Licensees.)
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Marsden," "Tri-Slot." (Licensees.)
SKF Industries, Inc., Front St. & Erie Ave., Philadelphia 32, Pa. (Lock.)
Security Locknut Corp., 1500 North Ave., Melrose Park, Ill.
Shakeproof Div. of Illinois Tool Works, St. Charles Rd., Elgin, Ill. "Lokuts."
Simmons Fastener Corp., N. Broadway, Albany, N. Y.
South Chester Corp., Lester, Pa.
Standard Locknut & Lockwasher Co., 2250 Valley Ave., Indianapolis 18, Ind. (For ball and roller bearings.)
Standard Pressed Steel Co., Jenkintown, Pa. "Flexloc." (Self-locking.)
Stover Lock Nut & Machinery Corp., Bushkill Drive, Easton, Pa.
Thompson-Bremer & Co., 520 N. Dearborn St., Chicago 10, Ill.
Tinnerman Products, Inc., 8700 Brookfield Rd., Cleveland 13, Ohio. "Speed Nuts." (Self-locking.)
Towsend Co., New Brighton, Pa.
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.
Waldes-Kohinoor, Inc., 47-16 Austel Pl., Long Island City 1, N. Y.
Whittet-Higgins Co., P. O. Box 1613, Providence, R. I. (Lock, for ball and roller bearings.)

ODOMETERS

(See also Speedometer)

Barbour-Stockwell Co., 205 Broadway, Cambridge 39, Mass. (Hub.)
Knopf Instrument Co., 250 Culver Ave., Jersey City 5, N. J. "PeKa."
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago, Ill.
United States Taximeter Co., 514 W. 54th St., New York 19, N. Y. "Ustcograph."
Veeder-Root, Inc., 20 Sargeant St., Hartford 2, Conn.

OIL ANALYSIS KITS

Gerin Corp., P. O. Drawer 653, Red Bank, N. J.
Wicks Accessories Corp., Gastonia, N. C.

OILS, CRANKCASE, ADDITIVES, See Compounds, Crankcase, Sludge Removing

OILS AND LUBRICANTS, Engine and Chassis

Atlantic Refining Co., 260 S. Broad St., Philadelphia 1, Pa.
Cities Service Oil Co., 60 Wall Tower, New York, N. Y.
Continental Oil Co., Continental Oil Bldg., Ponca City, Okla.
Emerol Mfg. Co., 242 W. 69th St., New York, N. Y.
Esso Standard Oil Co., Esso Bldg., 15 W. 51st St., New York, N. Y.
Fiske Brothers Refining Co., Lubriplate Div., Newark 5, N. J.
Freedom-Valvoline Oil Co., Freedom, Pa.
Gulf Oil Corp., Gulf Bldg., Pittsburgh 30, Pa. (Also motor flush.)
Kendall Refining Co., 77 N. Kendall St., Bradford, Pa.
Lion Oil Co., El Dorado, Ark.
Lubriplate Div., Fiske Brothers Refining Co., Newark 5, N. J.
Mac Millan Petroleum Corp., 530 W. 6th St., Los Angeles 13, Calif.
Mid-Continent Petroleum Corp., P. O. Box 381, Tulsa 2, Okla.
Moly Motor Products Corp., 1155 Broadway, New York, N. Y.
Ohio Oil Co., Findlay, Ohio.
Pennsylvania Refining Co., 2686 Lisbon Rd., Cleveland 4, Ohio.
Pennzoil Co., Oil City, Pa.
Phillips Petroleum Co., Bartlesville, Okla.
Pure Oil Co., 35 E. Wacker Dr., Chicago 1, Ill.
Quaker State Oil Refining Co., Oil City, Pa.
Shell Oil Co., 100 Bush St., San Francisco 6, Calif.
Shell Oil Co., 50 W. 50th St., New York, N. Y.
Sinclair Refining Co., 630 Fifth Ave., New York, N. Y.
Socony-Vacuum Oil Co., 26 Broadway, New York, N. Y.
Sonneborn Sons, L., 300 Fourth Ave., Amalie Div., New York.
Standard Oil Co. of California, 225 Bush St., San Francisco 20, Calif.
Standard Oil Co. (Indiana), 910 S. Michigan Ave., Chicago, Ill.
Sun Oil Co., 1608 Walnut St., Philadelphia, Pa.
Texas Co., 135 E. 42nd St., New York, N. Y.
Tide Water Associated Oil Co., 17 Battery Place, New York 4, N. Y.
Union Oil Co. of Calif., Union Oil Bldg., Los Angeles 17, Calif.
Warren Refining & Chemical Co., Cleveland 15, Ohio.
Waverly Petroleum Products Co., 1724 Chestnut St., Philadelphia 3, Pa.
Wolf's Head Oil Refining Co., Oil City, Pa.

OIL CANS, See Cans, Oiling

OIL CHANGERS, See Drainers, Crankcase Oil

OIL DRAINERS, See Drainers, Crankcase Oil

OIL FILTERS, See Filters, Oil

OIL GAGES, See Gages, Oil Pressure

OIL AND GREASE ABSORBENTS (Floor), See Absorbents, Oil & Grease (Floor)

OIL RECLAIMERS, See Reclaimers, Crankcase Oil

OIL RETAINING RINGS & SEALS, See Retainers, Oil & Grease

OIL TANKS, See Tanks and Systems, Gasoline and Oil Storage; also Tanks, Oil (Portable)

OIL TESTING INSTRUMENTS, See Viscosimeters

OILS, PENETRATING, See Rust Prevenatives

OILERS, UPPER CYLINDER, See Lubricators, Upper Cylinder

OILS, Upper Cylinder

A P Parts Corp., A P Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio. "Miracle Power."
Acheson Colloids Co., 1925 Washington Ave., Port Huron, Mich. "Dag," "Oildag."
Actane Chemical Co., 3617 Haverford Ave., Philadelphia 4, Pa.
Alox Corp., 70 Pine St., New York 5, N. Y.
Atlantic Refining Co., 260 S. Broad St., Philadelphia 1, Pa.
Automotive & Marine Products Corp., 87 Harvard Ave., Boston 34, Mass.
Bardahl Mfg. Corp., 1400 P. 52nd St., Seattle 7, Wash.
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind. "Bowes Valv-Aid."
Carbide & Carbon Chemicals Corp., 30 E. 42nd St., New York 17, N. Y.
Casite Div. Hastings Mfg. Co., Hastings, Mich.
Castor Oil Products, Inc., 145 Alexander St., Yonkers 2, N. Y. "Trizol."
Celco Corp., 110 E. 42nd St., New York 17, N. Y.
Champion Products, Inc., P. O. Box 291, Stephenville, Texas. "Champion 2-X."
Cristy Chemical Corp., 21 Putnam Lane, Worcester 4, Mass.
Curran Corp., S. Canal St., Lawrence, Mass. "Motor Fizik," "Gunk Dunk."
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Mototuner."
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio.
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Dyna-Vita."
Emerol Mfg. Co., 242 W. 69th St., New York 23, N. Y. "Marvel Mystery Oil."
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Friction Proof Oil Corp., 200 Fifth Ave., New York 10, N. Y. "Power Ball."
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Grafo Colloids Corp., Grafo Bldg., 310 Wilkes Place, Sharon, Pa. "Grafolene."
Gulf Oil Corp., Gulf Bldg., Pittsburgh 30, Pa.
Gunk Chicago Co., 3447 W. Madison St., Chicago 24, Ill.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz Motor Rythm."
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "S.M.L.," "MFC."
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Kano Laboratories, 1000 S. Thompson Lane, Nashville 11, Tenn. "Kano Kreen."
Lubaid Co., 155 E. Kilborn St., Milwaukee 1, Wis.
Lubri-Gas International, Inc., 221 N. La Salle St., Chicago 1, Ill.
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Mergraf Oil Products Co., P. O. Box 95, Northville, Mich. "Topper."
National Refining Co., 1808 Standard Bldg., Cleveland 1, Ohio. "Enarco Tune."
Octane Chemical Co., 3617 Haverford Ave., Philadelphia 4, Pa.
Pennsylvania Refining Co., Gumout Div., 2686 Lisbon Rd., Cleveland 4, Ohio.
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y. "Permatex Toon-Oyl."
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Siloo."
Protektoil Corp., 601 W. 26th St., New York 1, N. Y.
Purfex Mfg. Co., Box 118, Collegeville, Pa.
Pyroil Co., 122 Main St., La Crosse, Wis.
Radiator Specialty Co., 1700 Dowd St., Charlotte 1, N. C. "3-in-1 Nu-Power."
Randall Products Mfg. Co., 2095 Broadway, New York 23, N. Y. "Motor-Kleen."
Reliance Battery Products Co., 2211 S. Eighth St., Council Bluffs, Iowa. "Motor Magic."
Rust Master Chemical Corp., 50 Creighton St., Boston, Mass. "Six Master."
Service Supply Co., 1115 Seventh St., Denver 2, Colo. "Noxo."
Shaler Co., Waupun, Wis. "Karbout," "Rislone."
Shell Oil Co., 50 W. 50th St., New York 20, N. Y. "Donax." "Shell."
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil Upperlube."
Sonneborn Sons, Inc., L., Amalie Div., 300 Fourth Ave., New York 10, N. Y. "Anti-Gum."
Standard Oil Co. (Indiana), 910 S. Michigan Ave., Chicago 80, Ill. "Stano-Vim."
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
U. S. Chemical & Supply Co., 918 E. Fifth St., Kansas City 16, Mo. "Z-4."
United States Aviex Co., 1350 Maple St., Niles, Mich. "Aviex."

NEW The Lightest, Most Powerful ½" Automotive Air Impactool

actual size

Size 404 Air-Operated Ingersoll-Rand Impactool designed for use on *all* but the largest nuts on cars and trucks.

the lightest weight

Tool weighs only 5 lbs.—reduces arm fatigue to an absolute minimum, regardless of working position.

the most powerful

Ruggedly built to handle all but the largest nuts on cars and trucks. Does all work which previously required two or more tools.

the smallest in its power class

No other ½" capacity Impactool is so compact, yet provides so much power. Easy to handle even in the hard-to-get-at places.

truly multi-purpose

Converts from a nut runner into a screw driver, tapper, reamer, wood borer, etc., with standard attachments.

For full information on this newest Ingersoll-Rand development for automotive use, send the coupon today.

Ingersoll-Rand

11 Broadway, New York 4, N. Y.

Originators of Impactools—Air and Electric

Clip and Mail This Coupon Now

18A-110

INGERSOLL-RAND
11 Broadway, New York 4, N. Y.

Please send me the new bulletin illustrating and describing the exclusive features and performance of the I-R Size 404 Air Impactool, and containing complete data on specifications, attachments and prices.

NAME_____

COMPANY_____

ADDRESS_____

CITY_____ ZONE_____ STATE_____

UNIVERSITY OF MICHIGAN LIBRARIES

OILS, Upper Cylinder—*continued*

V-O Mfg. Co., 13245 Sherman Way, North Hollywood, Calif.
Warehouse Distributors Co., 3810 N. 19th St., Phila. 40, Pa.
Warren Refining & Chemical Co., 750 Prospect Ave., Cleveland 15, Ohio. "Warco P.V.R."
Warwick Laboratories Co., 334 Cleveland St., Brroklyn 8, N. Y. "Warco K.O.Carb," "Warco Mo-Tun-Up."
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Carbon-Ex," "Friction 'Eez."
White & Bagley Co., 100 Foster St., Worcester, Mass. "Oilzum Vitalube."
Wilbur & Williams & Co., 130 Lincoln St., Brighton, Mass. "W & W."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.
Zip Abrasive Co., 1360 W. Ninth St., Cleveland 13, Ohio. "Jack."

OPENERS, Bus Door

Cleveland Hardware & Forging Co., 3200 E. 79th St., Cleveland 4, Ohio.
Consolidated Metal Products Corp., 413 N. Pearl St., Albany, N. Y. (Pneumatic. electric and hydraulic.)
Eberhard Mfg. Co., Div. Eastern Malleable Iron Co., 2734 Tennyson Rd., Cleveland 4, Ohio. (Manual.)
Midland Steel Products Co., Power Brake Div., 3641 E. Milwaukee Ave., Detroit 11, Mich. (Air and electro-pneumatic.)
National Pneumatic Co., 125 Amory St., Boston 19, Mass. "NP."

PACKERS, Bearing

Aro Equipment Corp., Bryan, Ohio.
Bennett-Feragen, 1408 Jerome St., Miles, Mich.
Gray Co., 1034 Graco Square, Minneapolis 13, Minn.
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago, Ill.
Turk Co., Wm., 11070 S. Alameda St., Lynwood, Calif.

PADS, Pedal

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Doan Mfg. Corp., 1761 London Rd., Cleveland 12, Ohio.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Fulton Co., 1912 S. 32nd Ave., Milwaukee 14, Wis.
Kravex Mfg. Corp., 273 Van Sinderen Ave., Brooklyn 7, N. Y.
Monarch Rubber Co., Hartville, Ohio.
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio.

PAINT DRYING LAMPS, See Lamps, Drying, Baking & Heating

PAINT MASKING, See Masking, Liquid and Tape

PAINT SPRAY BOOTHS, See Booths, Spraying (Paint and Varnish)

PAINT SPRAYERS, See Sprayers, Paint

PAINT REMOVERS, See Removers, Paint Enamel and Varnish

PAINTS, See Enamels; also Lacquer

PAINTS, Acid-Resisting

Ace Laboratories, 1614 Cartaret St., Lakewood, Ohio. "Kem-Bam."
Frost Paint & Oil Corp., 1209 Tyler St., N. E., Minneapolis 13, Minn. "Frost's Kapak."
Hock Paint & Chemical Works, Inc., Box 190, Phoenixville, Pa. "Metalock."
Lithgow Co., Inc., James, Los Angeles 22, Cal. (Plastic coating.)
Perolin Co., 10 E. 40th St., New York 16, N. Y. "Durabel."
Prufcoat Laboratories, Inc., 63 Main St., Cambridge 42, Mass.
Quigley Co., 527 Fifth Ave., New York 17, N. Y. "Triple-A."
Sauereisen Cements Co., Sharpsburg Sta., Pittsburgh 15, Pa.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Stonhard Co., 1306 Spring Garden St., Philadelphia 23, Pa.
Vita-Var Corp., 46 Albert Ave., Newark, N. J. "Vita-Lux."

PAINTS, Alkali-Resisting

Ace Laboratories, 1614 Cartaret St., Lakewood Ohio. "Kem-Bam."
Lithgow Co., Inc., James, Los Angeles 22, Cal. (Plastic coating.)
Prufcoat Laboratories, Inc., 63 Main St., Cambridge 42, Mass.
Quigley Co., 527 Fifth Ave., New York 17, N. Y. "Triple-A."
Sherwin-Williams Co., 101 Prospect Ave. N. W., Cleveland 1, Ohio.
Vita-Var Corp., 46 Albert Ave., Newark, N. J.

PAINTS, Aluminum and Bronze

Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa. "Alcoa Albrion." (Aluminum powder and paste; pigments for aluminum paint.)
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Battenfield Grease & Oil Corp., 3148 Roanoke Rd., Kansas City 8, Okla. (Aluminum.)
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Forbes Finishes Div., Pittsburgh Plate Glass Co., 2800 W. 148th St., Cleveland 11, Ohio. (Aluminum.)
Frost Paint & Oil Corp., 1209 Tyler St., N. E., Minneapolis 13, Minn. "Frospar." (Aluminum.)
Hack Paint & Chemical Works, Inc., Box 190, Phoenixville, Pa. "Metalock."
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago 16, Ill. "Illbronze."
Interstate Enamel & Varnish Co., 328 W. 15th St., Indianapolis, Ind.
Modene Paint Co., 305 Eastern Ave., Chelsea 50, Mass.
Morris Paint & Varnish Co., 1823 Washington Ave., St. Louis 3, Mo. "Chrombrite." (Aluminum.)
Plastic-Kote, Inc., 425 Lakeside Ave., N. W., Cleveland 13, Ohio.
Reynolds Metals Co., 3rd and Grace Sts., Richmond 19, Va. (Aluminum pigment powders and paste.)
Sheffield Bronze Paint Corp., 17814 Waterloo Rd., Cleveland 19, Ohio.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.

PANELS, Plywood

Georgia-Pacific Plywood Co., 600 N. Capitol Way, Olympia, Wash. "G-P."
Harbor Plywood Corp., Box 940, Aberdeen, Wash. "Super-Harbord." "Harborite," (Douglas fir.)
Met-L-Wood Corp., 6755 W. 65th St., Chicago 38, Ill. (Metal covered.)
Technical Ply-Woods, 228 N. La Salle St., Chicago 1, Ill.
United States Plywood Corp., Weldwood Bldg., 55 W. 44th St., New York 18, N. Y. "Weldwood," "Armorply," "Tekwood," "Honeycomb," "Flexwood."

PANELS, STEEL, See Steel, Sheet, and Body Parts, Pre-Shaped

PARTS, Brake

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. "B-K." (Hand control for vacuum braking.)
Bendix Westinghouse Automotive Air Brake Co., 901 Cleveland Road, Elmira, Ohio. (Air.)
Eis Automotive Corp., Middletown, Conn. (Hydraulic and mechanical; also master cylinders.)
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Sav-n-Life." (Wheel cylinder cups.)
Goshen Rubber Co., 609 E. Iowa St., Goshen, Ind. (Hydraulic cups and boots.)
Hydraulic Specialties Co., 65 Burbank Dr., Snyder 21, N. Y. "Hyspeco." (Hydraulic pressure limiting valves.)
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis. "Bull Dog." (Hydraulic for Ford and Chevrolet cars.)
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. (Vacuum power brake valves and chambers.)
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. (Hydraulic.)
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. (Cylinder cups.)
Lorraine Mfg. Corp., 54 W. Hunter Ave., Maywood, N. J. (Hydraulic brake rubber cups, boots; also hydraulic valves.)
Master Parts Div. of Airtex Products, Inc., Fairfield, Ill. (Hydraulic.)
Mercury Brake Products Co., 1532 W. Fulton St., Chicago 7, Ill.
Midland Steel Products Co., Power Brake Div., 2641 E. Milwaukee Ave., Detroit 11, Mich. (Air and vacuum conversion valve kits.)
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Minnesota Automotive, Inc., 1101 N. Front St., Mankato, Minn.
Moraine Products, Div. of General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio. "Delco." (Wheel and master cylinders.)
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot." (Hydraulic.)
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco." (Hydraulic.)
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Hydraulic.)
Otto Items, Inc., 4390 Olive St., St. Louis 8, Mo. "Tru-Torque." (Hydraulic brake, master and wheel cylinders.)
Pacific Div. Bendix Aviation Corp., 11600 Sherman Oaks, North Hollywood, Calif. (Hydraulic master cylinders.)
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Power Brake Equipment Co., 1632 S.E., 11th Ave., Portland 14, Ore.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Supco Div., Lisle Corp., 805 E. Main St., Clarinda, Iowa. (Master and wheel cylinders, etc.)
Thermoid Co., 200 Whitehead Rd., Trenton 6, N. J.
United Metal Craft Co., 800 Lowell St., Ypsilanti, Mich. (Power brake tanks.)
United Motor Service General Motors Bldg., Detroit 2, Mich.
United Parts Mfg. Co., 1250 W. Van Buren St., Chicago, Ill. (Cylinders.)
Vari-Products Co., 2450 S. Prairie Ave., Chicago 16, Ill. (Vacuum tanks.)
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis. (Vacuum power and air, for trucks and trailers.)
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "Lockheed." (Master cylinders; also air conversion kits.)
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio. (Hydraulic.)

PARTS, CARBURETOR, See Carburetor Parts

PARTS, Clutch

Accurate Parts Mfg. Co., 1600 S. Ashland Ave., Chicago 8, Ill. (Pressure assembly component parts.)
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko." (Forks.)
Automotive Research & Mfg. Co., 1085 Iris Pl., Westbury, N. Y. "Arm-Co."
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg & Beck," "Long," "Rockford."
Cleveland Graphite Bronze Co., 17000 St. Clair Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Div. of Clevite Corp., 6545 Carnegie Ave., Cleveland 3, Ohio. (Spring and fork kits.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio. (For assemblies, etc.)
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Evco Products Co., 160 W. 62nd St., New York 23, N. Y.
Exact Brand, Inc., 2251 S. Michigan Ave., Chicago, Ill.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
Merit Products Co., 3541 E. Olympic Blvd., Los Angeles 23, Calif. (Sleeves.)
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."

Weyerhaeuser White River Operation Uses Aeroquip

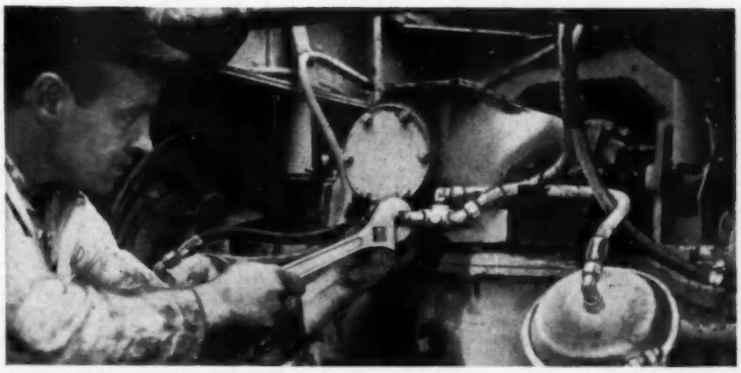
Bulk Hose and Fittings to Replace Damaged Hose Lines

in 5 to 10 Minutes!

Here a Weyerhaeuser field mechanic removes the Aeroquip fittings from a damaged hose line. Fittings are reused on replacement lines.

Big, busy Weyerhaeuser Timber Company operates a fleet of trucks over their own road system at White River, Washington. Here the terrain is rough, and loads are big . . . up to 100,000 pounds per vehicle. Brake lines obviously are extremely important and Weyerhaeuser has standardized on Aeroquip replacements for two reasons: (1) Aeroquip quality is always dependable; (2) The 'Aeroquip Idea' of making hose lines from bulk stock and detachable, reusable fittings permits *quick* replacements right in the field. Get these Aeroquip advantages for your fleet. See your Aeroquip distributor or write for information.

After assembling a fitting on one end, the Aeroquip bulk hose is measured and cut to proper length with a hacksaw.



Assembly completed, the replacement line is installed on the brake system. Weyerhaeuser mechanics make field repairs like this in 5 to 10 minutes using ordinary hand tools.

Aeroquip

REG. TRADE MARK

AEROQUIP CORPORATION, JACKSON, MICHIGAN

LOCAL REPRESENTATIVES IN PRINCIPAL CITIES IN U.S.A. AND ABROAD • AEROQUIP PRODUCTS ARE FULLY PROTECTED BY PATENTS IN U.S.A. AND ABROAD

PARTS, Clutch—Continued

Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill. (Clutch cover assembly parts.)
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Rockford Clutch Div. Borg-Warner Corp., 1319-18th Ave., Rockford, Ill.
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

PARTS, DISTRIBUTOR, See Parts, Magneto, Coil and Distributor

PARTS, Front End Suspension

Bashian & Sons Co., Henry 40391 Grand River Ave., Farmington, Mich. "Head Line."
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Clair Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Div. of Clevite Corp., 6545 Carnegie Ave., Cleveland 3, Ohio.) "Monmouth."
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Products Corp., Div. of Ertel Mfg. Corp., 1400 E. 20th St., Indianapolis, Ind.
Hershey Products, Inc., Derby 2, Conn. "G-H."
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
Master Parts Div. of Airtex Products, Inc., Fairfield, Ill.
Merrill Engineering Laboratories, 1280 Lincoln St., Denver 3, Colo. (Knee action coil springs.)
Moog Industries, 6650 Easton Ave., St. Louis 14, Mo.
Neapco Products, Inc., South & Cross Sts., Pottstown, Pa.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Pressed Metals of America, Inc., Port Huron, Mich. (Distributors to replacement trade, McQuay-Norris Mfg. Co., St. Louis, Mo.; Thompson Products, Inc., Cleveland, Ohio; Clevite, Inc., Cleveland, Ohio.)
Rowland, Inc., William & Harvey, 1414 Fairmount Ave., Philadelphia 30, Pa.
Saginaw Steering Gear, Div. of General Motors Corp., 3900 Holland Rd., Saginaw, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.

PARTS, Fuel Pump

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind. (Push rods.)
Airtex Automotive Div. of Airtex Products, Inc., Fairfield, Ill.
American Motor Products Co., Fond du Lac, Wis.
Hygrade Products Div., Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City, N. Y. "Monoflex."
Kem Mfg. Co., 20-21 Dagaraw Rd., Fair lawn, N. J.
Master Parts, Div. of Airtex Products, Inc., Fairfield, Ill.
Murray Auto Specialty Co., 1228 S. Olive St., Los Angeles 15, Cal. "Masco."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
Ottawa Steel Products, Inc., 745 Woodlawn Ave., Grand Haven, Mich. (Shafts.)
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Simmons Mfg. Co., Ashland, Ohio. (For Ford, Chevrolet and Plymouth cars.)
United Parts Mfg. Co., 1250 W. Van Buren St., Chicago, Ill. (For A. C. pumps.)
Van Bergen & Greener, Inc., 1619 N. Hayne Ave., Chicago 47, Ill. "Van."

PARTS, Generator

International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
Paragon Products Corp., 140 Astor St., Newark 5, N. J. "Vulcan." (Sole distributors Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.)
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
V-J Industries, Inc., 720 E. Washington St., Indianapolis, Ind.
Valley Forge Products, Inc., 35-20 Skillman Ave., Long Island City 1, N. Y.
Van Berger & Greener, Inc., 1619 N. Hoyne Ave., Chicago 47, Ill. "Van line."

PARTS, LIST, See List, Parts

PARTS, Ignition

(See also Coils, Condensors, Distributors, Points (Ignition))

American Hard Rubber Co., 93 Worth St., New York 13, N. Y.
American Motor Products Co., Fond du Lac, Wis. "Ampco." (Distributor rotors.)
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo. (Coil and distributor.)
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn. (Coil and distributor.)
D.S.M. Electric Co., 6209 Hamilton Ave., Detroit 2, Mich.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Distributor caps and rotors.)
Guaranteed Parts Co., Seneca Falls, N. Y. "GP." (Rotors.)
Kem Mfg. Co., 20 Wagaraw Rd., Fair Lawn, N. J.
Keystone Carbon Co., 1935 State St., St. Marys, Pa.
Lothrop Co., Frank B., 81 River St., South Acton, Mass. "Tiger." (Distributor plates, for Ford cars.)
M D Parts Mfg. Co., 4395 Olympic Blvd., Los Angeles. Calif. (Distributor caps and rotors.)
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallary Electric Corp., 12416 Cloverdale Ave., Detroit 4. Mich. (Magneto.)
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco." (Coil and distributor.)
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Paragon Products Corp., 140 Astor St., Newark 5, N. J. "Vulcan." (Distributor plates, caps, rotors, etc., sole distributors, Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.)
Parco—See Parts Mfg. Co.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich. (Distributor caps and nipples.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill. (Distributor caps and rotors.)
Sorenson Mfg. Co., P. 32-31 57th St., Woodside 77, N. Y. (Distributor heads and rotors.)
Specialty Insulation Mfg. Co., Hoosick Falls, N. Y. (Distributor caps.)
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J. (Caps and rotors.)
Valley Forge Products, Inc., 35-20 Skillman Ave., Long Island City 1, N. Y. (Distributor.)
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. "Wells," "Super Go." (Distributor caps and rotors.)
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo. (Distributor.)

PARTS, Replacement

Allied Motor Parts Co., Detroit 1. Mich
United Motors Service, General Motors Building, Detroit 2, Mich.

PARTS, Starting Motor Drive

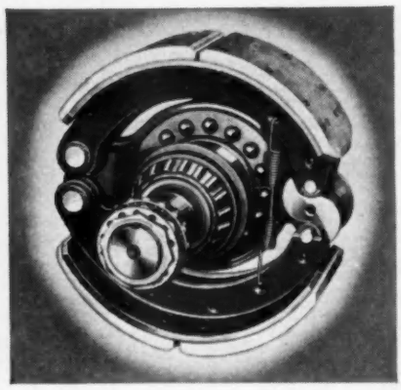
Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. (Springs.)
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Carston Mfg. Co., 46 N. 2nd St., Mt. Vernon, N. Y. (Bolts and washers.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Eclipse Machine Div., Bendix Aviation Corp., Elmira, N. Y. "Bendix."
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Ford Motor Co., Dearborn, Fich.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Keystone Carbon Co., 1935 State St., St. Marys, Pa.
Lamson & Sessions Co., 1971 W. 85th St., Cleveland 2, Ohio. (Bolts.)
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. (Screws.)
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y. (Springs.)
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak." (Springs, etc.)
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio. (Screws and washers.)
Van Bergen & Greener, Inc., 1619 N. Hoyne Ave., Chicago 47, Ill. "Van line."
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Wickwire Spencer Steel Div. of Colorado Fuel & Iron Corp., 575 Madison Ave., New York 22, N. Y. (Springs, bolts and washers.)

PINS, King

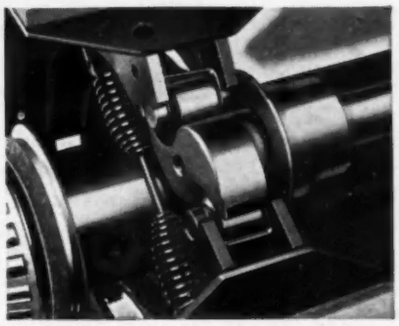
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich. (Trailer.)
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Bashian & Sons Co., Henry 40391 Grand River Ave., Farmington, Mich. "Head Line."
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. "Bohnalite."
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Claire Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Div. of Clevite Corp., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth.")
Elgin Machine Works, 412 N. State St., Elgin, Ill. (Assemblies.)
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Hershey Products, Inc., Automotive Parts Div., Derby 2, Conn.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis. "Bull Dog." (For Ford cars.)
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
Kings County Centerless Grinding Co., 555 36th St., Union City, N. J.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
Master Parts, Div. of Airtex Products, Inc., Fairfield, Ill.
McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis, Mo.
Moog Industries, Inc., 6650 Easton Ave., St. Louis 14. Mo. "Moog."
Neapco Products, Inc., South & Cross Sts., Pottstown, Pa.
Oliver Iron & Steel Corp., 1001 Muriel St., Pittsburgh, Pa.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
Superior Machine Tool Co., 329 E. Firmin St., Kokomo, Ind.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
Trayer Products, Inc., E. Clinton St., Elmira, N. Y.
Western Automatic Machine Screw Co., 752 Lake Ave., Elyria, Ohio.

6 reasons why Timken-Detroit quality axles and brakes are specified on more truck-trailers today than any other make!

1. (left) Timken-Detroit trailer axles are lighter to give the greatest possible pay load. TDA trailer axle and brake assemblies are proved far stronger, more rugged in "Torture Chamber" tests. Note how TDA pressed steel brake shoes alone save many pounds per axle over cast shoes.



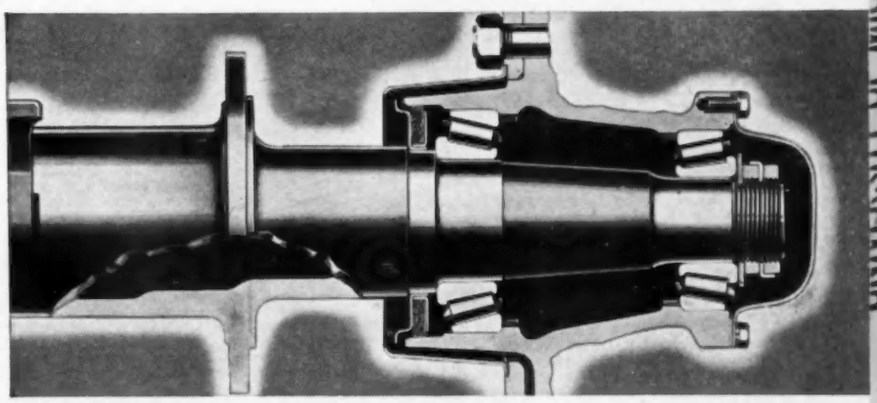
2. (left) Exclusive ¾" TDA "Econo-liner" brake liners. Thickest at center where greatest wear occurs. Taper down at ends. Held rigidly by 12 deep set rivets per block. Spider riveted to flange. New design decreases operating temperatures, increases safety, cuts down excessive wear.



3. (right) TDA cam roller mountings will never seize. Roller will not brinell in camshaft. Note clean finish . . . heavy stamped steel straddle support for long life.

knots

MEMBER TRUCK-TRAILER MANUFACTURERS ASSN.
T.T.M.A.



4. TDA forged alloy steel spindle, electrically welded to seamless tube. Brake mounting flange forged integral with spindle. Duplicates of this are constantly "Torture-Tested" to check on quality and workmanship.

TIMKEN Detroit AXLES

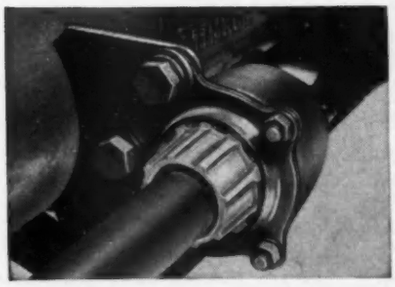
TIMKEN DETROIT AXLE DIVISION
ROCKWELL SPRING AND AXLE COMPANY
DETROIT 32, MICHIGAN

The Accepted TDA CO Standard
TRADE MARK REGISTERED

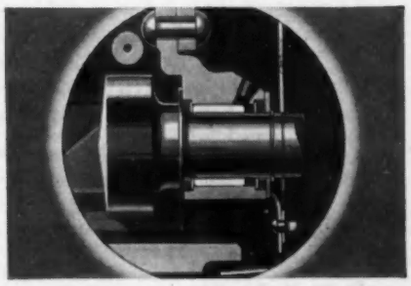
"TORTURE-TESTED"
to Save Money on the Job

All leading Trailer manufacturers specify Timken-Detroit safety tested quality built axles and brakes

WORLD'S LARGEST MANUFACTURERS OF AXLES FOR TRAILERS, TRUCKS AND BUSES



5. TDA self-aligning camshaft support bracket. Spherical support for instant alignment during assembly or replacement. Nylon camshaft bushings wear up to 4 times as long.



6. Cutaway view shows cam mounted in new nylon bushing. Minimum wear even when bushings are not lubricated or improperly lubricated. Cannot rust, corrode or flatten out. Save weight.

Plants at: Detroit, Michigan • Oshkosh, Wisconsin • Utica, New York • Ashtabula, Kenton and Newark, Ohio • New Castle, Pennsylvania

PINS, King—*continued*

Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

PINS, King, Trailer

Miller Industries, 213 E. Cortland St., Jackson, Mich.

PINS, Piston

American Hammond Automotive Replacement Div., 2001 Sanford St., Muskegon, Mich.
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Bohn Aluminum & Brass Corp., 1400 Lafayette Blvd., Detroit 26, Mich. "Bohnalite."
Brown Corp., 313 Bellevue Ave., Syracuse, N. Y.
Burgess-Norton Mfg. Co., 758 Peyton St., Geneva, Ill. "B-N Perfectlap."
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Mfg. Co., 2045 Martindale Ave., Indianapolis 7, Ind.
Ertel Products Corp., Div. of Ertel Mfg. Corp., 1400 E. 20th St., Indianapolis, Ind.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
Kings County Centerless Grinding Co., 555 36th St., Union City, N. J.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Marquette Metal Products Co., 1145 Gatewood Drive, Cleveland 10, Ohio.
Merit Products Co., 3541 E. Olympic Blvd., Los Angeles 23, Calif.
Monmouth Products Co., 6545 Carnegie Ave., Cleveland 3, Ohio.
Nylen Products, Inc., Lake Shore Drive, St. Joseph, Mich.
Ohio Piston Co., 5342 Hamilton Ave., Cleveland 14, Ohio.
Ottawa Steel Products, Inc., 745 Woodlawn Ave., Grand Haven, Mich. "OSP."
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Simplex Products Corp., 3830 Kelly Ave., Cleveland, Ohio.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."

PIPES, Tail and Exhaust

AP Parts Corp., AP Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio.
Arvin Industries, Inc., 13th St. & Big Four R. R., Columbus, Ind.
De Koven Mfg. Co., 1201 Michigan Blvd., Racine, Wis.
Douglass Muffler Mfg. Co., 1916 W. Valley Blvd., Alhambra, Calif.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Uniflex." (Bendable.)
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Rex-Tube." (Bendable.)
Formed Tubes, Inc., S. Prairie & Albert Sts., Sturgis, Mich.
Goerlich's, 619 Smith St., Toledo 1, Ohio.
Haviland Co., Arnold, Defiance, Ohio. (Also exhaust.)
International Parts Corp., 11th & States Sts., Chicago 5, Ill.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. "Hy-Power."
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.
Maremont Automotive Products, Inc., S. Ashland Ave. at 16th St., Chicago 8, Ill. (Also bendable.)
Miller-Shelby Products Div., Michigan Steel Tube Products Co., 9450 Buffalo Blvd., Detroit 12, Mich.
Ohio Parts, Inc., 307 Perry St., Defiance, Ohio.
Porter Muffler Mfg. Co., 11820 W. Olympia Blvd., Los Angeles 64, Calif.
Powell Muffler Co., 315 Oriskany St. E., Utica 2, N. Y.
Pratt Industries, Inc., 1600 S. Ashland Ave., Chicago 8, Ill.
Ryder Mfg. Co., 220 N. Ada St., Chicago 7, Ill.
Tube Products Corp., 320 N. 2nd St., Tipp City, Ohio.
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.

PISTON EXPANDERS, See Expanders, Piston Skirt

PISTON GRINDING MACHINES, See Machines, Piston Turning and Grinding

PISTON PINS, See Pins, Piston

PISTON RINGS, See Rings, Piston

PISTON RING COMPRESSOR, See Tools, Piston Ring Compressing

PISTON RING EXPANDERS, See Expanders, Piston Ring

PISTONS

Al-Fin Div., Fairchild Engine & Airplane Corp., Farmingdale, L. I., N. Y. (Aluminum with bonded and cast iron ring carriers.)
Aluminum Alloys Corp., 6650 Walton St., Detroit 10, Mich. "Ray Day."
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
American Hammered Automotive Replacement Div., 2001 Sanford St., Muskegon, Mich.
Arrow Head Steel Products Co., Howell, Mich. (Aluminum alloy and vanasil.)
Badger Mfg. Co., 1505 City Court, Marinette, Wis. (Aluminum alloy.)
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. "Bohnalite."
Columbia Engineering Co., 505 W. Vine St., Columbia City, Ind.
Continental Motors Corp., Muskegon 82, Mich.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Mfg. Co., 2045 Martindale Ave., Indianapolis 7, Ind. (Aluminum and cast iron.)
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Gillett & Eaton, Inc., 8th & Doughty Sts., Lake City, Minn. "G&E." (Vanasil, aluminum alloy and semi-steel.)
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. (Aluminum and gray iron.)
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Nylen Products, Inc., Lake Shore Drive, St. Joseph, Mich. (Aluminum and gray iron.)
Ohio Piston Co., 5342 Hamilton Ave., Cleveland 14, Ohio. "Lo-Ex" & "Lynite" aluminum; "Hyten" & "Deluxe" cast iron; "Strutype" steel insert aluminum.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Sterling Aluminum Products, Inc., 2925 N. Market St., St. Louis 6, Mo.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. "Diatrol," "Toledo First-Line."
Triplex Corp. of America, P. O. Box 666, Pueblo, Colo. (Aluminum.)
Tsungani Piston Co., 625 E. 11th St., Tacoma, Wash.
United Engine & Machine Co., 310 Preda St., San Leandro, Calif. "Dualay," "Silv-O-Lite."
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wisconsin Machinery & Mfg. Co., S. 60th St., & Beloit Rd., Milwaukee 14, Wis.
Zollner Machine Works, Fort Wayne, Ind. (Aluminum alloy.)

PLASTICS, Molded

(Phenolic, Urea, Cellulose Acetate, Polystyrene, etc.)

American Phenolic Corp., 1830 S. 54th Ave., Chicago 50, Ill.
Amos Molded Plastics Div. Amos-Thompson Co., 211 Ward St., Edinburg, Ind.
Artmor Plastics Corp., 1003 Oldtown Rd., Cumberland, Md. (Side seat panels, door liners, kick plates, etc.)
Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
Bangor Plastics, Inc., Bangor, Mich.
Brilhart Plastics Corp., Old Country Rd., Mineola, N. Y.
Chicago Molded Products Corp., 1049 N. Kolmar Ave., Chicago 51, Ill. (Custom molders of nylon.)
Colt's Mfg Co., 17 Van Dyke Ave., Hartford 15, Conn.
Continental-Diamond Fibre Co., Newark 10, Del.
Continental Plastics Corp., 2934 W. Lake St., Chicago 12, Ill.
Cutler-Hammer, Inc., 362 N. 12th St., Milwaukee 1, Wis.
Danielson Mfg. Co., Danielson, Conn.
Diemolding Corp., Rasbach St., Canastota, N. Y.
Dimco-Gray Co., 207 E. Sixth St., Dayton 2, Ohio.
Durez Plastics & Chemicals, Inc., North Tonawanda, N. Y. (Phenolic.)
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Felsenthal & Sons, Inc., G., 4100 W. Grand Ave., Chicago 51, Ill. (Acrylic, polyethylene, nylon acetate and butyrate.)
Formica Co., 4614 Spring Grove Ave., Cincinnati 32, Ohio. (Phenolic.)
Franklin Fibre-Lamitex Corp., 195 E. 12th St., Wilmington, Del. (Bakelite.)
General Electric Co., Chemical Div., 1 Plastics Ave., Pittsfield, Mass. "GE," "GE Mycalex."
General Industries Co., Olive St., Elyria, Ohio.
General Tire & Rubber Co., Industrial Products Div., 1708 Englewood Ave., Akron 9, Ohio.
Gries Reproducer Corp., Beechwood Ave. & Second St., New Rochelle, N. Y. (Thermoplastic and nylon.)
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky.
Imperial Molded Products Corp., 2925 W. Harrison St., Chicago, Ill.
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton, Ohio.
Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago, Ill.
Kurz-Kasch, Inc., 1415 S. Broadway, Dayton 1, Ohio.
Metal Specialty Co., Este Ave. & B. & O. R. R., Cincinnati 32, Ohio. (Injection-thermoplastic.)
Molded Insulation Co., 335 E. Price St., Philadelphia 44, Pa. "Mic."
Molded Products Corp., 4533 W. Harrison St., Chicago 24, Ill. (Phenolic and urea, to order.)
Panelyte Div. St. Regis Paper Co., 230 Park Ave., New York 17, N. Y.
Plasticite Corp., 327 Rider Ave., New York 51, N. Y.
Quinn-Berry Corp., 2601 W. 12th St., Erie, Pa. (Cellulose, acetate, polystrene, nylon, etc.)
Richardson Co., 2667 Lake St., Melrose Park, Ill. "Insurok."
Robbins Co., Jim, Stephenson Hwy. at 14 Mile Rd., Royal Oak, Mich.
Superior Plastic Co., 426 N. Oakley St., Chicago 12, Ill. (Cellulose acetate, butyrate, vinylite, ethylcellulose, polystyrene, methylmethacrylate, polyvinyl, chloride and nylon.)
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa. (Phenolic.)

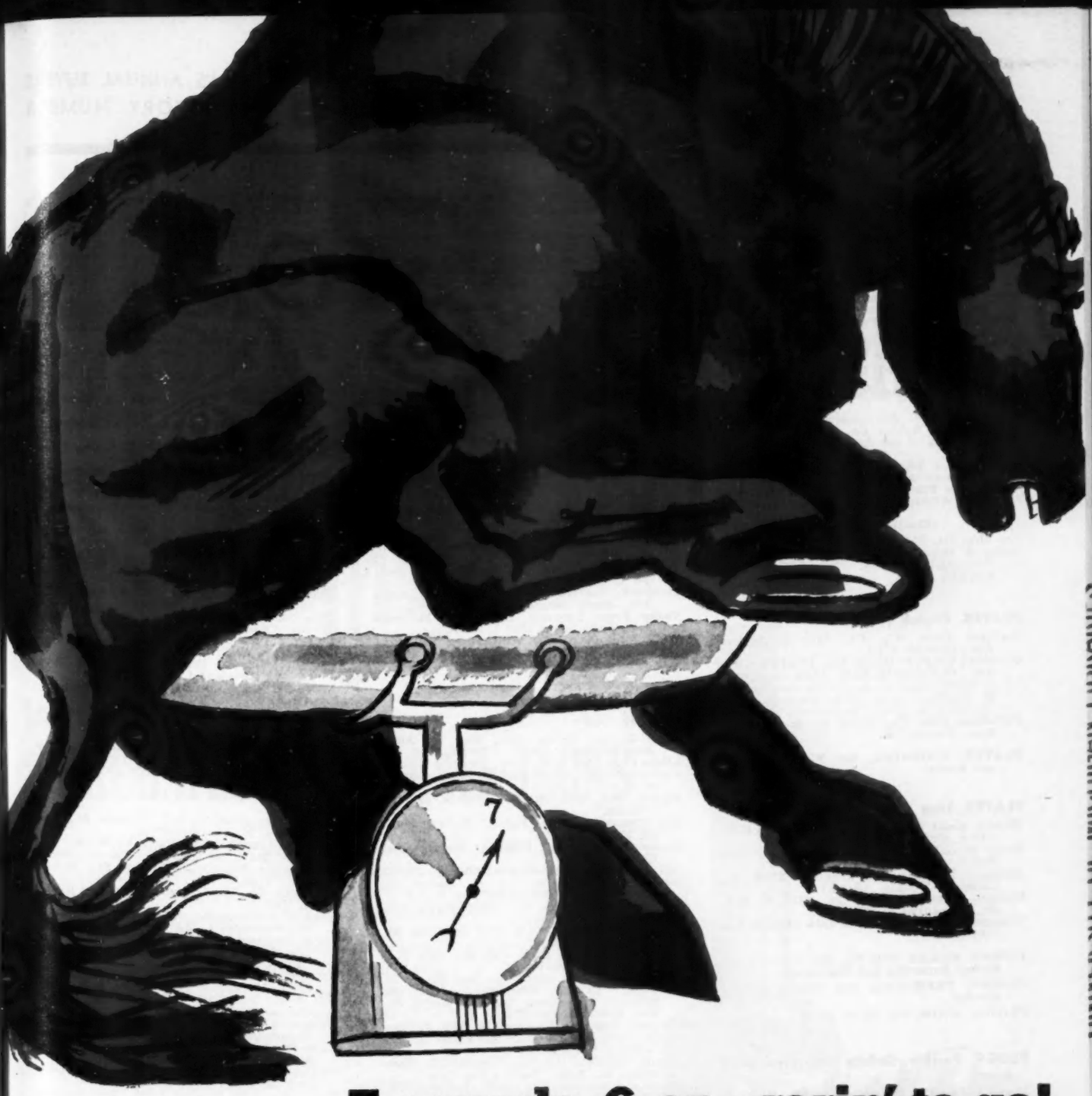
(Sheets, Rods, Tubes and Filaments)

Acadia Div. Western Felt Works, 4035-4117 Ogden Ave., Chicago 23, Ill. (Synthetic resin sheets.)
Anchor Plastics Co., 36-36 36th St., Long Island City 6, N. Y.
Bakelite Co., 30 E. 42nd St., New York 17, N. Y.
Campo Div. Chicago Molded Products Corp., 2727 N. Normandy Ave., Chicago 35, Ill. (Rubber-styrene alloy sheets.)
Celanese Corp. of America, Plastic Bldg., 180 Madison Ave., New York 16, N. Y.
Continental Diamond Fibre Co., Newark 10, Del.
du Pont de Nemours & Co., E. I., Polychemicals Div. Plastic Sales Section, Wilmington 98, Del.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Felsenthal & Sons, Inc., 4100 W. Grand Ave., Chicago 51, Ill. (Acrylic, vinyls, acetate and polyethylene sheets.)
Formica Co., 4614 Spring Grove Ave., Cincinnati 32, Ohio.
Franklin Fibre-Lamitex Corp., 195 E. 12th St., Wilmington, Del. (Laminated.)
General Electric Co., Chemical Div., 1 Plastics Ave., Pittsfield, Mass. (Laminated phenolic sheets, rods and tubes.)
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky.
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton, Ohio.
Mica Insulator Co., Broadway, Schenectady, N. Y. "Lamicoid." (Laminated phenolic.)

BUYERS
UMBER

ewark 10,
Lake St.,
., Milwau-
Canastota,
Dayton 2,
orth Tona-
Div., Bay
W. Grand
lic, poly-
rate.)
e., Cincin-
. 12th St.,
1 Plastics
"GE My-
yria, Ohio.
rial Prod-
Akron 9,
l Ave. &
(Thermo-
iew Aves.,
2925 W.
orp., 2727
, 6650 S.
Dayton 1,
O. R. R.,
n-thermo-
St., Phila-
rrison St.,
ures, to
230 Park
York 51,
Erie, Pa.
n, etc.)
ose Park,
t 14 Mile
St., Chi-
butyrate,
e, methyl-
and ny-
er Center,
York 20,
rth Ave.,
ents)
4035-4117
Synthetic
St., Long
York 17,
ts Corp.,
o 35, Ill.
Bldg., 180
wark 10,
chemicals
ngton 98,
Div., Bay
and Ave.,
, acetate
., Cincin-
E. 12th
d.)
Plastics
ted phe-
ew Aves.,
rp., 2727
enectady,
phenolic.)

er, 1954



7 pounds, 6 oz.–rarin' to go!

How much weight to a horsepower? Take one of our P&H Diesels — divide its weight by its power — and that's the figure you get.

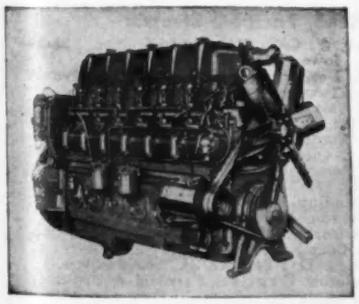
The reason we're so proud of our baby: at 7 pounds, 6 ounces this horse is full grown! No competing diesel can produce a full horsepower to that amount of weight. Pound for pound, this engine out-powers them all.

Dollar for dollar, too. A P&H will give you more horsepower per dollar than any other diesel. And just as a sort of extra, it's also the easiest to service!

Not that it will need much servicing. Actually, a P&H Diesel takes less of it than the old gasoline engine. Its fuel cost: *about one-third.*

Some baby!

P&H Diesel Engine Division, Harnischfeger Corporation, Crystal Lake, Ill.



Horsepowers, 30 to 255. Two-cycle. 2, 3, 4, 6-cylinder models. Speeds to 1800 rpm. Stationary, mobile, marine. Diesel-generator sets

THE P&H DIESEL

lowest price per horsepower . . .
lowest weight per horsepower

PLASTICS, Molded—*continued*

Monsanto Chemical Co., Plastics Div., Springfield 2, Mass.
National Vulcanized Fibre Co., Maryland Ave. & Beech St., Wilmington 99, Del.
Panelyte Div. St. Regis Paper Co., 230 Park Ave., New York, N. Y. (Laminated phenolic.)
Penn Fibre & Specialty Co., 2024 E. Westmoreland St., Philadelphia 34, Pa.
Resistoflex Corp., 39 Plansoen St., Belleville 9, N. J.
Richardson Co., 2667 Lake St., Melrose Park, Ill.
Spaulding Fibre Co., 310 Wheeler St., Tonawanda, N. Y.
Synthane Corp., Oaks, Pa. (Laminated phenolic.)
Taylor Fibre Co., Norristown, Pa.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.
Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington, Del.

(Sheets, Transparent)

Ero Mfg. Co., 714 W. Monroe St., Chicago, Ill.
Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa. "Plexiglas." (Cast acrylic.)

PLATES, Clutch Pressure

Accurate Parts Mfg. Co., 1800 S. Ashland Ave., Chicago 8, Ill.
Cleveland Graphite Bronze Co., 17000 St. Claire Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Div. of Clevite Corp., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monmouth.")
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.

PLATES, FLOORING, See Flooring, Truck and Trailer

PLATES, Step

Hamlin Metal Products Co., 58 Exchange St., Akron, Ohio.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio. (Scuff.)
Western Metal Specialty Co., 1213 N. 62nd St., Milwaukee 13, Wis.
Western Motors, Body Div., 4834 Cermak Rd., Cicero, Ill.

PLIERS, BRAKE SPRING, See Tools, Brake Spring Removing and Replacing

PLIERS, TERMINAL, See Tools, Battery Service

PLOWS, SNOW, See Snow Plows

PLUGS, Fusible Safety for Hydraulic Lines

Shand & Jurs Co., 8th & Carlton Sts., Berkeley 10, Calif.

PLYWOOD, See Panels, Plywood

POINTS, Ignition

American Motor Products Co., Fond du Lac, Wis. "Ampco."
American Platinum Works, N.J.R.R. Ave. at Oliver St., Newark 5, N. J. "APW."
Andrews Mfg. Co., 924 S. Thersen Ave., St. Louis 3, Mo.
Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Fansteel Metallurgical Corp., 2200 Sheridan Rd., North Chicago, Ill.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Guaranteed Parts Co., Seneca Falls, N. Y.
Holley Carburetor Co., 11955 Nine Mile Rd., Van Dyke, Mich.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis 6, Ind. "Elkonium" & "D-54."
Mallary Electric Corp., 12416 Cloverdale Ave., Detroit 4, Mich.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Paragon Products Corp., 140 Astor St., Newark 5, N. J. "Vulcan." (Sole distributors, Vulcan Motor Products, Inc., 1060 Broad St., Newark 2, N. J.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Premico Products, Inc., Nashua, N. H.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Speer Carbon Co., St. Marys, Pa.
Springfield Electrical Specialties, Inc., 120 Wooster St., New York 12, N. Y. "Superpoint."
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill. "J-W."
Tasco Products, Inc., 199 Vermont St., Brooklyn 7, N. Y.
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J.
Valley Forge Products, Inc., 35-20 Skillman Ave., Long Island City 1, N. Y.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis. "Super Go," "Wells."
Wilson Co., H. A., Union, N. J. "Wilco."

POLISH, Body

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Proxlin."
Allube Corp., 928 Allen Ave., Glendale 1, Calif.
Alsol Products Co., 154 Clifford St., Newark 5, N. J.
Atomix, Inc., Box 486, Wilmington 99, Del. "Atolak."
Ball Chemical Co., 524 Federal St., Pittsburgh 12, Pa. "Cleanola."
Barton Products Co., 2765 St. Marys Court, Chicago 47, Ill.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill.
Belvidere Laboratories, 700 W. Locust St., Belvidere, Ill. "Metalglas."
Bostwick Laboratories, Inc., 706 Bostwick Ave., Bridgeport 5, Conn.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Boyle-Midway, Inc., 22 E. 40th St., New York 16, N. Y. "Auto-Brite."
Bullseye Corp., 150 Amity St., New Haven 15, Conn. "I.C.U," "Plasticote." (Sole distributors Livingston Co., 150 Amity St., New Haven 15, Conn.)
Campbell Paint & Varnish Co., Div. Glidden Co., 106 Gratiot St., St. Louis 2, Mo. "Glidden Quality."
Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Lecton Car Care."
Collanite Chemical Co., 1205 Mohawk St., Utica 3, N. Y.
Colorglo Products, Inc., 109 N. Newlin Ave., Whittier, Calif.
Continental Car-Na-Var Corp., Brazil, Ind. "Nu-Sheen."
Detroit Cover Co., 3410 W. Fort St., Detroit 16, Mich. "Rapid-Glow."
Drew & Co., E. T., Automotive Chemicals Div., 15 E. 26th St., New York 10, N. Y.
Dupli-Color Products Co., 2440 S. Michigan Ave., Chicago 16, Ill. (Pigmented.)
du Pont de Nemours & Co., E. I., Chemical Specialties Div., Wilmington 98, Del. "No. 7," "Seven-ite," "Spray Glaze."
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Fidelity Mfg. Co., Front & Bridge Sts., Catasauqua, Pa. "Alrite," "Fidelity."
Formax Mfg. Co., 3171 Bellevue St., Detroit 7, Mich.
Freeman & Freeman, Inc., 600 Grant St., Denver 3, Colo.
Garry Laboratories, Inc., 701 Seneca St., Buffalo 10, N. Y.
Glisten Co., 13 Barnard St., Hillsdale, Mich.
Gold Eagle Products Co., 1050 W. Kinzie St., Chicago 22, Ill.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz Venus," "Lusterize." (Wax.)
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Jetron Co., 757 N. Broadway, Milwaukee, Wis.
Johnson & Son, Inc., S. C., Racine, Wis.
Jones Products, Inc., 276 Third St., Cambridge 42, Mass. "Albionite," "Car-Glo."
Ken-Nite Co., 2926 Hancock Ave., W., Detroit 8, Mich. "Ken-Nite," "Ken-Glo."
Lacquerwax Co., 57 N. Washington St., Plainville, Conn. (Wax.)
Lee Polish Mfg. Co., 1399 Utica Ave., Brooklyn 3, N. Y.
Liquid Glaze, Inc., 704 Sheridan St., Lansing 6, Mich.
Liquid Veneer Corp., Urban & Kehr St., Buffalo 11, N. Y.
Lusco, Inc., 5915 Bonna Ave., Cleveland 3, Ohio.
McAleer Mfg. Div. of Higbie Mfg. Co., Fourth & Water Sts., Rochester, Mich.
Mac's Super Gloss Co., 6040 N. Figueroa St., Los Angeles 42, Calif.
Milwaukee Electric Tool Corp., 5316 W. State St., Milwaukee 8, Wis. "Kar-buff" & "Perma-buff."
Mirror Bright Polish Co., 910 E. Colorado St., Pasadena, Calif. "Meguiar's."
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y.
Plasticlear Products, Inc., 29 Mills St., Malden, Mass.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill. "Pure-Sure."
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Miracle."
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio. "Open."
Silver-Glo Co., 185 S. Main St., Seymour, Conn.
Simoniz Co., 2101 Indiana Ave., Chicago 16, Ill. "Simoniz," "Simoniz Kleener," "Body Gard," "Bodyshur."
Sinclair Refining Co., 600 Fifth Ave., New York, N. Y.
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio. "Karglo."
Stain-Ox Co., 625 E. First Ave., Roselle, N. J.
Stanley Co., John T., 642 W. 30th St., New York 1, N. Y. "Mobo."
Swavely Chemical & Varnish Works, 831 Page St., Flint 5, Mich. "Smooth Glaze."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Tone Mfg. Co., 706 Jefferson St., Grand Rapids 3, Mich.
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turco Min-Mum," "Turco Revel."
Universal Chemical Div., R. M. Hollingshead Corp., 840 Cooper St., Camden 2, N. J.
V-O Mfg. Co., 13165 Sherman Way, North Hollywood, Calif.
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."
Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J. "Por-Cel-Seal."
Westley Industries, 1898 Scranton Rd., Cleveland 13, Ohio.
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.
Wilson-Imperial Co., 115 Chestnut St., Newark 5, N. J. "Wonder-Brite."
Zecol, Inc., 3270 S. 3rd St., Milwaukee 7, Wis.

POLISHERS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44 St., N. Y. 17, N. Y.
Clarke Sanding Machine Co., 30 E. Clay Ave., Muskegon, Mich.
Cummins Portable Tools Div. of Cummins Chicago Corp., 4740 W. Ravenswood Ave.
Dremel Mfg. Co., 2420 18 St., Racine, Wis.
Jones Motorola Corp., 432 Fairfield Ave., Stamford, Conn.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5350 W. State St., Milwaukee 8, Wis.
Nedco Co., 87 Rumford Ave., Waltham, Mass.

Dependable, Trouble-Free Operation

Always ready for action...
in the shop—on the road!

get dependable Lifting Action Instantly!

with AUSCO HYDRAULIC AXLE JACKS

You really get your money's worth from Ausco Hydraulic Axle Jacks—they're tough and dependable, always ready for action in the shop and on the road. There is no wasted pumping motions . . . Position and lift—instantly!

Here are features which keep 'em working for you harder and longer! STRAIGHT-LINE OIL FLOW eliminates one of the main causes of hydraulic operating troubles . . . prevents dirt from gathering to clog pump. LEAK-PROOF CASTINGS made of exclusive non-porous castings . . . guaranteed leak-proof and unbreakable. "IN-LINE" VALVE ACTION starts to raise the load with the first stroke.

Take your pick from Ausco's really complete line—there are six models from 1½ to 20 ton capacities in the standard range. For extra lifting inches, order a Hi-Range model. They're available in 3, 5, 8 and 12 ton capacities.

Send for new Catalog
for complete descriptions on all models

Available in Standard and Hi-Range models

B-774

AUTO SPECIALTIES MFG. CO. Dept. CC-11, St. Joseph, Michigan

POLISHERS, Portable Electric—cont'd

Portable Elec. Tools, Inc., 320 W. 83rd St., Chicago 20, Ill.
Rotor Tool Co., 23600 Lakeland Blvd., Cleveland 23, Ohio.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Polishers."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool, Div. of Emerson Electric Mfg. Co., 1050 Findlay St., Aurora, Ill.

POLISHERS, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Rotor Tool Co., 23600 Lakeland Blvd., Cleveland 23, Ohio.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Polishers."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

POLISHING COMPOUNDS, See Compounds, Rubbing and Polishing
POWER TAKE-OFFS, See Take-Offs, Power

PRESSES, Arbor

Acromark Co., 9 Morrell St., Elizabeth 4, N. J. "Hercules."
Bee-Line Co., Box 569, Davenport, Iowa.
Bellows Co., 222 W. Market St., Akron 9, Ohio. (Pneumatic.)
Benchmaster Mfg. Co., 1835 W. Rosecrans Ave., Gardena, Calif.
Champion Blower & Forge Co., Harrisburg Ave., & Charlotte St., Lancaster, Pa.
Dake Engine Co., 639 Monroe St., Grand Haven, Mich.
Evans Reamer & Machine Co., New Lexington, Ohio. (Electric and hydraulic.)
Famco Machine Co., 3100 Sheridan Rd., Kenosha, Wis.
French Oil Mill Machinery Co., Piqua, Ohio.
General Mfg. Co., 6432 Farnsworth Ave., Detroit 11, Mich. "Flexible Power."
Greenerd Arbor Press Co., 41 Crown St., Nashua, N. H. (Hand and hydraulic.)
Hannifin Mfg. Co., 1101 S. Kilbourn Ave., Chicago 24, Ill. (Pneumatic.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Electric and hydraulic.)
Logansport Machine Co., Center Ave., Logansport, Ind. "Logan." (Pneumatic and hydraulic.)
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Manzel, Div. of Frontier Industries, Inc., 315 Baccock St., Buffalo 10, N. Y.
Mead Specialties Co., 4114 N. Knox Ave., Chicago 41, Ill. (Pneumatic.)
Owatonna Tool Co., 432 N. Cedar St., Owatonna, Minn.
Products Machine Co., 990 Housatonic Ave., Bridgeport 1, Conn.
Rotex Punch Co., 2350 Alvardo St., San Leandro, Calif.
Studebaker Machine Co., 1221 S. 9th Ave., Maywood, Ill. (Hydraulic.)
Treadwell Tap & Die Co., Greenfield, Mass. "Champ Jr."
Tripp, F. A., 409 E. Fort St., Detroit 26, Mich.
Watson-Stillman Co., Aldene Rd., Roselle, N. J. (Hydraulic.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

PRESSES, Hydraulic

Air Hydraulics, Inc., 811 Belden St., Jackson, Mich.
American Broach & Machine Co. (Div. of Sundstrand Machine Tool Co.), 415 W. Huron St., Ann Arbor, Mich.
American Steel Foundries, Elemo Engrg. Div., 1155 Tennessee Ave., Cincinnati 29, Ohio. "Elmes."
Anderson Bros. Mfg. Co., 1907 Kiswaukee St., Rockford, Ill.
Baldwin-Lima-Hamilton Corp., Philadelphia 42, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis.
Bliss Co., E. W., 1375 Raff Rd. S. W., Canton, Ohio.
Brandt Machine Co., C. R., Roosevelt Ave., York, Pa.
Chambersburg Engrg. Co., Derbyshire St., Chambersburg, Pa.
Clearing Machine Corp., 6499 W. 65th St., Chicago 38, Ill.
Colton Co., Div. of Snyder Tool & Engrg. Co., 3400 E. Lafayette St., Detroit 7, Mich.
Dake Engine Co., 630 Monroe St., Grand Haven, Mich. (Electrically, air and hand operated.)
Denison Engineering Co., 1160 Dublin Rd., Columbus, Ohio.
Diamond Machine Tool Co., 4329 E. Olympic Blvd., Los Angeles 23, Calif.
Erie Foundry Co., 1253 W. 12th St., Erie, Pa.
Farrel-Birmingham Co., 97 Main St., Ansonia, Conn.
French Oil Mill Machinery Co., Piqua, Ohio.
Greenerd Arbor Press Co., 41 Crown St., Nashua, N. H.
Hannifin Mfg. Co., 1101 S. Kilbourn Ave., Chicago 24, Ill.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Hydropress, Inc., Empire State Bldg., 350 Fifth Ave., N. Y. 1, N. Y. "Loewy-Hydropress."
Lake Erie Engineering Corp., 890 Woodward Ave., Buffalo 17, N. Y.
Lapointe Machine Tool Co., 34 Tower St., Hudson, Mass. "Lapointe Hudson."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. "Elect-Draulic."
Link Engrg. Co., 13845 Elmira Ave., Detroit 27, Mich.
Logansport Machine Co., Center Ave., Logansport, Ind.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Mesta Machine Co., Box 1466, Pittsburgh, Pa.
Morgan Engineering Co., Broadway and C. & P. R. R., Alliance, Ohio.
Munton Mfg. Co., 9400 Belmont Ave., Franklin Park, Ill.
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Oliver Corp., A. B., Farquhar Div., 142 N. Duke St., York, Pa. "Farquhar."
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
Schildmeier Co., H. C., 312 N. Senate Ave., Indianapolis, Ind.
Studebaker Machine Co., 1221 S. 9th Ave., Maywood, Ill.
Tripp, F. A., 409 E. Fort St., Detroit 26, Mich.
Verson Allsteel Press Co., 93rd St. & Kenwood Ave., Chicago, Ill.
Watson-Stillman Co., Roselle, N. J.
West Tire Setter Co., 399 Exchange St., Rochester 8, N. Y.
Williams, White & Co., Third Ave. & Eighth St., Moline, Ill.
Wilson, K. R., 216 Main St., Buffalo 3, N. Y. "K.R.W."
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Wi-To-Co."
Wood Co., R. D., Room 1072, Public Ledger Bldg., Philadelphia 5, Pa.

PRESSES, Straightening, Wheel

Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Buechler & Sons, J. A., 409 E. Fort St., Detroit 26, Mich. "Oxford."
Schildmeier Co., H. C., 312 N. Senate Ave., Indianapolis 2, Ind. "Seal Line."

PROPANE, See Fuels, Engine
PRUSSIAN BLUE, See Blue, Mechanics

PULLERS, Bearing, Gear and Wheel

All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif.
Armstrong-Bray & Co., 5364 Northwest Highway, Chicago, Ill. "Steelgrip."
Atmars Mechanico, 3651 Lakeshore Ave., Oakland 10, Calif.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Wheel.)
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill. (Wheel.)
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Porto-power." (Hydraulic.)
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
C. & G. Wheel Puller Co., Scio, N. Y.
Cal-Van Machine Products, Inc., 809 S. Water St., Jackson, Mich. (Also timing gear.)
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif.
Campbell Auto Wks., 2128 N. F St., Stockton, Calif.
Cornwell Quality Tools Co., Mogadore, Ohio.
Crane Puller Co., 11 River St., West Newton, Mass.
Dalton Foundries, Inc., Warsaw, Ind, "Big Boy."
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Gerb Co., 181 Canton St., Stoughton, Mass.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis.
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
Jaw Mfg. Co., 39 Mulberry St., Reading, Pa.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa. (Wheel.)
Ken-Tool Mfg. Co., 768 E. North St., Akron 6, Ohio.
Kennedy Service Tools Co., P. O. Box 33, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Majestic Handle Co., 2515 S. Wabash Ave., Chicago, Ill. (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.
Martindale Electric Co., 1340 Bird Ave., Cleveland 7, Ohio.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC." (Also hydraulic conversion sets.)
P. & C. Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 51, Cal.
Powercraft Corp., 2515 S. Wabash Ave., Chicago 16, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)
Rinck McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill. (Wheel.)
Simmons Mfg. Co., Ashland, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Springfield Wheel Puller Co., 510 Hubert Ave., Springfield, Ohio. "Springfield," "Mayo."
Templeton, Kenly & Co., Gardner Rd., Broadview, Ill. "Simplex-Jenny." (Hydraulic.)
Ullmo Tool Co., 2515 Superior St., Cleveland, Ohio.
Vlchek Tool Co., 3000 E. 87th St., Cleveland, Ohio.
Weidenhoff, Inc., Joseph, Algona, Iowa.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W." (For Ford cars.)
Wright Tool & Forge Co., 42 E. State St., Barberton, Ohio. (Wheel.)
Zim Mfg. Co., 3007 Carroll Ave., Chicago, Ill.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

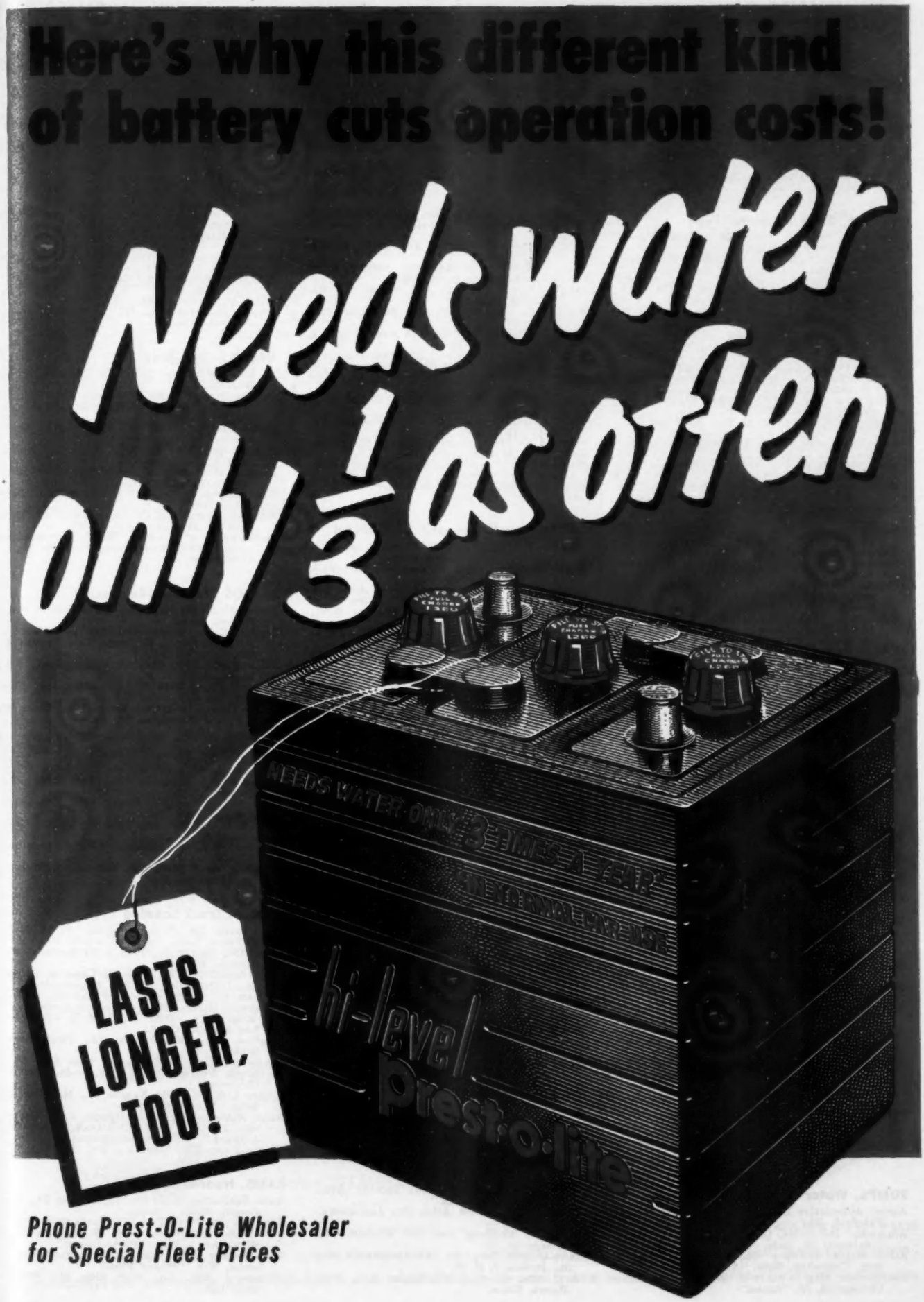
PULLERS, Cylinder Head

Cornwall Quality Tools Co., Mogadore, Ohio.

PULLERS, Cylinder Sleeve

Fort Dodge Machine & Supply Co., 529 First Ave., S. Fort Dodge, Iowa, "Precision."
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Hein Werner Corp., 1200 National Ave., Waukesha, Wis. (Hydraulic.)
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis. "Hunt's."
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC." (Also hydraulic conversion sets.)
Powercraft Corp., 2515 S. Wabash Ave., Chicago 16, Ill. "Powerflo." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)

PULLERS, VEHICLE, See Towers


Here's why this different kind of battery cuts operation costs!
Needs water only 1/3 as often
NEEDS WATER ONLY 3 TIMES A YEAR
hi-level
Prest-o-lite
LASTS LONGER, TOO!
Phone Prest-O-Lite Wholesaler for Special Fleet Prices

PUMPS, Brake, Vacuum

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind.
Hetzel Bros., 1972 S. Los Angeles St., Los Angeles 11, Calif.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.

PUMPS, Drum or Barrel Type

Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn.
Wood Co., John, Bennett Pump Div., Muskegon, Mich. "Bennett."

PUMPS, Fuel

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich. (Mechanical, also combustion fuel feed and vacuum.)
Airtex Automotive Div., Airtex Products, Inc., Fairfield, Ill. (Also combination fuel and vacuum.)
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
American Motor Products Co., Fond du Lac, Wis.
Autopulse Corp., 218 E. Dowland St., Ludington, Mich. (Electric.)
Blackstone Mfg. Co., 4630 W. Harrison St., Chicago 44, Ill. "BMC."
Carter Carburetor Corp., 2840 N. Spring Ave., St. Louis 7, Mo. (Electric and mechanical.)
Eastern Industries, Inc., 100 Skiff St., Hamden, Conn.
Eclipse Machine, Div. Bendix Aviation Corp., Elmira, N. Y. "Bendix." (Electric.)
Electric Auto-Lite Co., Toledo 1, Ohio.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Hygrade Products Div., Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J. (Also combination fuel and vacuum.)
Master Parts, Div. of Airtex Products, Inc., Fairfield, Ill.
Murray Auto Specialty Co., Airprene Div., 1228 S. Olive St., Los Angeles 15, Calif.
P & D Mfg. Co., 1902 Steinway St., Long Island City 5, N. Y.
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill. "K-W."
Stewart-Warner Corp., Instrument Div., 1826 Diversey Parkway, Chicago 14, Ill. (Electric.)
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Vepco Fuel Pump Sales, 17304 Lahser Rd., Detroit 19, Mich.

PUMPS, Gasoline, Filling Station

American Pumps, Inc., 1085 Woodrow St., Cincinnati 4, Ohio. "American Beauty."
Bowser, Inc., 1302 E. Creighton Ave., Fort Wayne 2, Ind. (Also LP Gas.)
Correct Mfg. Co., Box 190, Rochester, Pa. "Correct-O-Meter."
Dayton Pump & Mfg. Co., 500 N. Webster St., Dayton, Ohio. "Rapidayton."
Erie Meter Systems, Inc., 1602 Wagner Ave., Erie, Pa.
Gilbert & Barker Mfg. Co., West Springfield, Mass. "Calco-Meter." "Gilbarco."
Smith Corp., A. O. Meter Div, 5715 Smithway St., Los Angeles 27, Calif.
Southwest Pump Co., First & Center Sts., Bonham, Tex.
Tokheim Oil Tank & Pump Co., 1602 Wabash Ave., Fort Wayne, Ind.
Wayne Pump Co., Salisbury, Md.
Wood Co., John, Bennett Pump Div. Broadway & Wood Sts., Muskegon, Mich. "Bennett."

PUMPS, Oil

(Advertisers Only)

Wohlert Corp., 700 E. Grand River Ave., Lansing 5, Mich.

PUMPS, Water

Airtex Automotive Div., Airtex Products, Inc., Fairfield, Ill.
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Atlas Brass Foundry Co., 32 W. Deshler Ave., Columbus, Ohio. "Abco," "Everseal."
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati 9, Ohio.
Elgin Machine Works, 412 N. State St., Elgin, Ill. (For Ford, Chevrolet and Plymouth cars.)
Ertel Products Corp., Div. Ertel Mfg. Corp., 1400 E. 20th St., Indianapolis, Ind.
Grapho Products, Inc., P. O. Box 8604, Lawrence, Ind.
King Quality Products Div. of Mc-Quay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
L C Products, Inc., 2232 Alvord St., Indianapolis 7, Ind.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
McQuay-Norris Mfg. Co., St. Louis 10, Mo. (Factory Rebuilt.)
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Parts Specialties, 5984 Lincoln Ave., Detroit 8, Mich. (Factory Rebuilt.)
Schwitzer-Cummins Co., 1125 Massachusetts Ave., Indianapolis 7, Ind. "Hy Duty."
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
Warner Machine Products, Inc., 1200 Rochester St., Muncie, Ind. "WMP."
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.
Wolverine Gear & Parts Co., Osseo, Mich.

RACKS, Stock, Tire and Tool, Metal

Ainsworth Mfg. Co., 2200 Franklin St., Detroit 7, Mich. "Mult-A-Frame."
Angle Steel Stool Co., 56 Oak St., Plainwell, Mich.
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif. "Brown." (Tire.)
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Bay Products, Inc., 3001 N. 16th St., Philadelphia 32, Pa. (Tool.)
Berger Mfg. Div., Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio.
Brown Engineering Co., 131 N. Third St., Reading, Pa., (Bar stock and tubing.)
Colson Corp., Elyria, Ohio.
Durlach Can & Iron Works, 174 Seventh St., Brooklyn 15, N. Y.
Economy Engineering Co., 4511 W. Lake St., Chicago 24, Ill. (Barrel.)
Equipto Div. Aurora Equipment Co., Prairie St. at Cleveland, Aurora, Ill.
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Franklin Co., Bernard, Healey & Bath Sts., Philadelphia 37, Pa.
Frick-Gallagher Mfg. Co., 200 W. Second St., Wellston, Ohio. "FGM."
Heller & Co., W. C., 1907 Wabash Ave., Montpelier, Ohio.
International Equipment Div. Morrison Railway Supply Corp., P. O. Box 185, Sta. F, Buffalo, N. Y.
Kirspel Industries, Inc., Livingston, N. J.
Lewis-Shepard Products, Inc., 125 Walnut St., Watertown Sta., Mass. "Load Master."
Logan Co., Cabel St., Louisville 6, Ky.
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich. "MHS." (Stock.)
Miller Co., L. B., 394 State St., Stamford, Conn. (Magnetic, for small parts.)
Paltier Corp., 1701 Kentucky St., Michigan City, Ind.
Revolvator Co., U. S. Route 1 at 86th St., North Bergen, N. J. (Barrel and drum.)
Unistrut Products Co., 1015 Washington Blvd., Chicago 7, Ill. (Framing and adjustable.)

RADIATOR COVERS, See Covers, Radiator Grille

RADIATOR GRILLES, See Grilles, Radiator

RADIATOR SHUTTERS, See Shutters, Radiator

RADIATORS, Engine Cooling

Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill. "Eureka."
Blackstone Corp., 1088 Allen St., Jamestown, N. Y.
Excel Auto Radiator Co., 320 E. 21st St., Chicago 16, Ill.
Fedders-Quigan Corp. Co., 57 Tonawanda St., St., Buffalo 7, N. Y.
G & O Mfg. Co., 138 Winchester Ave., New Haven, Conn.
General Radiator Co., Box 28, Mt. Vernon, Ill.
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y.
Kramer Auto Radiator Corp., 210 W. 65th St., New York 23, N. Y.
Lake Auto Radiator Mfg. Co., 5005 Euclid Ave., Cleveland 3, Ohio.
Long Mfg. Div. Borg-Warner Corp., 12501 Duquindre St., Detroit, Mich.
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.
Modine Mfg. Co., 1500 De Koven Ave., Racine, Wis.
Perfex Corp., 500 W. Oklahoma Ave., Milwaukee 7, Wis.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Yates-American Machine Co., Beloit, Wis.
Young Radiator Co., 709 S. Marquette St., Racine, Wis.

RADIOS, Two-Way

A. R. F. Products, Inc., 7627 Lake St., River Forest, Ill.
Bendix Radio Communications Div., Bendix Aviation Corp., E. Joppa Rd., Towson 4, Md.
Communications Co., 300 Greco Ave., Coral Gables 34, Fla. "Comco."
Federal Telephone & Radio Corp., 100 Kingsland Rd., Clifton, N. J.
General Electric Co., Electronics Div., Electronics Park, Syracuse, N. Y.
Kaar Engrg. Corp., 2995 Middlefield Rd., Palo Alto, Calif.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
Radio Corp. of America, Mobile Communications Section, Engineering Products Dept., Camden, N. J.

RADIOS, Vehicle (Receivers)

Automatic Radio Mfg. Co., 122 Brookline Ave., Boston, Mass.
Bendix Radio Communications Div., Bendix Aviation Corp., E. Joppa Rd., Towson 4, Md. (Custom built.)
Delco Radio Div., General Motors Corp., Kokomo, Ind.
Motorola, Inc., 4545 W. Augusta Blvd., Chicago 51, Ill.
Philco Corp., Industrial Radio Div., Tioga & C Sts., Philadelphia 34, Pa.

RAILS, Rub, Pressed Steel

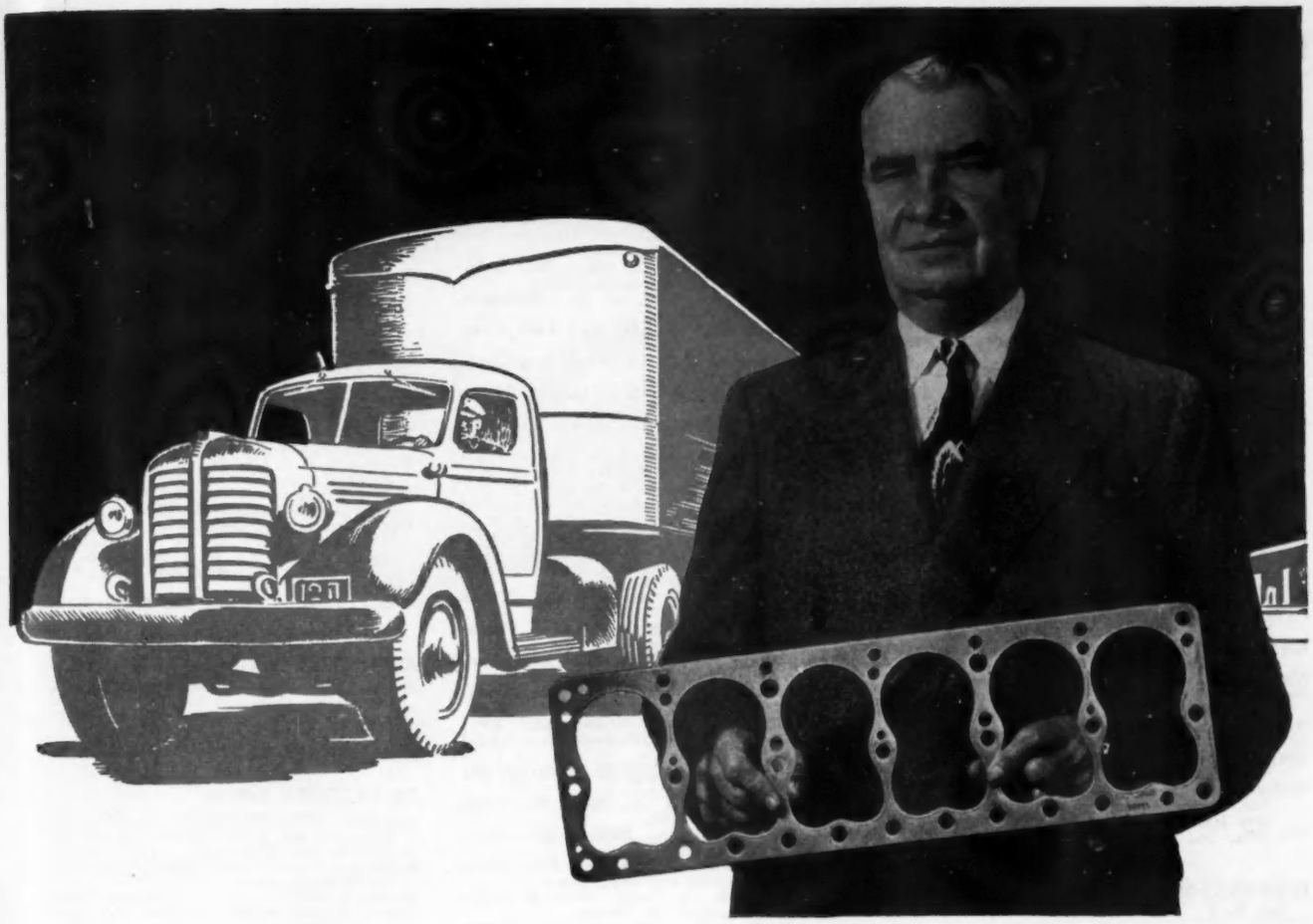
Bath Co., Cyril, 32280 Aurora Rd., Solon, Ohio.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Hart Metal Products Corp., 3333 Hammond Ave., Elkhart, Ind.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio.
Magline, Inc., 952 Murray Rd., Pinconning, Mich.
Parish Pressed Steel Co., Robeson & Weiser Sts., Reading, Pa.

RAMPS, Truck Loading

Christensen Co., Wm., Sherman St. & M-P Railway, York, Pa. (Adjustable.)
Colon Co., Henry L., 5840 N. Kilbourn Ave., Chicago 30, Ill.
Globe Hoist Co., E. Mermaid Lane & Queen St., Philadelphia 18, Pa. (Hydraulic.)
Herman Co., Karl A., 412 Fuller St., N.E., Grand Rapids, Mich. (4 way adjustable.)
Illo Engrg. Co., John B., 2414 E. 57th St., Los Angeles, Calif.
Magline, Inc., 952 Murray Rd., Pinconning, Mich.
Revolvator Co., U. S. Route 1 at 86th St., North Bergen, N. J. "Make-It-Evener." (Hydraulic.)
Rotary Lift Co., 1054 Kansas St., Memphis 2, Tenn. "Leva-Docks."
Rowe Methods, Inc., 2534 Detroit Ave., Cleveland 13, Ohio. "Adjust-A-Dock," "Adjust-A-Truck." (Electric hydraulic.)
Wayne Pump Co., Salisbury, Md.

RAMS, Hydraulic

Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Ausco."
Bee-Line Co., P. O. Box 569, Davenport, Iowa.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Porto-Power."
Hein-Werner Corp., 1200 National Ave., Waukesha, Wis. "Power Plus."
Livingston Mfg. Co., 8438 Otis St., South Gate, Cal.



"At the ASI Show in Chicago, let's talk about FITZGERALD GASKETS,"

says P. J. FITZGERALD

Higher pressures and greater heat in today's high compression engines make a stronger, tougher gasket vitally important to economic, trouble-free operation of today's cars, trucks and buses.

We've been developing new gaskets to meet the changing requirements of the automotive industry ever since 1906—meeting each new need with improved designs and consistent, quality craftsmanship.

You'll find our exhibit in Booth B43-45-47 at the Automotive Service Industries Show in Chicago next month. Drop by and let us tell you in person how and why today's Fitzgerald Gaskets are the finest we've ever made.

P. J. Fitzgerald
PRESIDENT

THE FITZGERALD MANUFACTURING COMPANY

TORRINGTON, CONNECTICUT

GET IT FROM YOUR JOBBER

BRANCHES AND WAREHOUSES
LOS ANGELES, CALIF.; CHICAGO, ILL.
CANADIAN FITZGERALD LTD., TORONTO, CANADA

FITZGERALD Gaskets SINCE 1906

ALSO . . . OIL SEALS • CORK GASKETS • FITZ-RITE TREATED FIBER GASKETS FOR OIL, GASOLINE AND WATER CONNECTIONS • COMPLETE SETS FOR MOTOR REBUILDERS.

DISTRIBUTED ABROAD EXCLUSIVELY BY THE WORLD'S LARGEST MANUFACTURER OF AUTOMOBILES

RAMS, Hydraulic—*continued*

Munton Mfg. Co., 9400 Belmont Ave., Franklin Park, Ill. (Hydraulic remote control.)
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Porter-Ferguson." (Hydraulic remote control.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Hydra-Pak," "Snap-On."
Stephenson Foundry & Mfg. Co., J. O., 548 E. Fort St., Detroit 26, Mich. "Step-Draulic."
Templeton Kenly & Co., 1020 S. Central Ave., Chicago 44, Ill. "Simplex Remotrol."

REAMERS, Cylinder Ridge

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif.
Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa.
Evans Reamer & Machine Co., New Lexington, Ohio.
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Waterbury Tool, Div. of Vickers, Inc., 188 E. Aurora St., Waterbury 91, Conn. "Waterbury Hall."
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

REAMERS, Main Bearing and Connecting Rod

Keystone Reamer & Tool Co., Millersburg, Pa.
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y. (Connecting rod.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

REAMERS, Power Drive

Evans Reamer & Machine Co., New Lexington, Ohio.
Greaves Machine Tool Div. J. A. Fay & Egan Co., Eastern Ave. & Hazen St., Cincinnati, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
United States Electrical Tool Co., 3620 Llewelyn St., Cincinnati 23, Ohio.

REAMERS, Solid Expansion and Adjustable

Ace Drill Corp., 2600 E. Maumee St., Adrian, Mich. (Solid.)
Alvord-Polk Tool Co., 110 Gearhart St., Millersburg, Pa. "Alpo."
Arrow Tool & Reamer Co., 418 Livernois Ave., Detroit 9, Mich. (Solid.)
Barber-Colman Co., 1300 Rock St., Rockford, Ill. (Solid and adjustable.)
Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa.
Besly-Welles Corp., 20 N. Wacker Drive, Chicago 6, Ill.
Chadwick & Trefethen, 32 Bow St., Portsmouth, N. H. "Critchley," "C & T."
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio. "Quick-Set," "Peerless," "Spirex."
Davis Boring Tool Div. of Larkin Giddings & Lewis Machine Tool Co., 142 Doty St., Fond du Lac, Wis.
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill.
Evans Reamer & Machine Co., New Lexington, Ohio. (Expansion.)
Goddard & Goddard Co., 12280 Burt Rd., Detroit 23, Mich.
Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass. "G T D-Ampco." (Solid and expansion.)
Hill Nut Co., 2620 W. Flourney St., Chicago 12, Ill.
Hjorth Lathe & Tool Co., 12 Beacon St., Woburn, Mass. "B-Ver." (Expansion and adjustable.)
Kelly Reamer Co., 3775 Ridge Rd., Cleveland, Ohio. (Adjustable.)
Keystone Reamer & Tool Co., Millersburg, Pa.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Adjustable.)
McCrosky Tool Corp., S. Main St., Meadville, Pa. "Super." (Adjustable.)
Madison Mfg. Co., 1713 7th St., Muskegon, Mich. (Adjustable.)
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
National Twist Drill & Tool Co., Rochester, Mich. (Solid.)
New Britain Machine Co., South St., New Britain, Conn.
O. K. Tool Co., Milford, N. H. (Adjustable.)
Pratt & Whitney Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford 1, Conn.
Production Tool Co. of America, 6474 Le Grand Ave., Detroit 11, Mich.
Rensor Mfg. Co., 13th & Indiana Ave., St. Charles, Ill. (Expansion; also solid valve guide.)
Reiff & Nestor Co., Lykens, Pa.
Reltool Corp., 4540 W. Burnham St., Milwaukee 46, Wis.
Shearcut Tool Co., 7045 Darby Ave., Resida, Calif. "Shearcutter."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Standard Tool Co., 3950 Chester Ave., Cleveland 14, Ohio. "Shield Brand."
Staples Tool Co., 2851 Massachusetts Ave., Cincinnati 25, Ohio. (Carboloy tipped, solid and expansion.)
Tomkins-Johnson Co., 617 N. Mechanic St., Jackson, Mich. "T-J."
Tungsten-Carbide Tool Co., 26250 W. 7-Mile Rd., Detroit 19, Mich.
Union Twist Drill Co., Monroe St., Athol, Mass.
Union Twist Drill Co., Butterfield Div., Derby Line, Vt. (Solid and expansion.)
Vermont Tap & Die Corp., Main & Grove Sts., Lyndonville, Vt. (Solid.)
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.
Waukesha Tool Co., 1434 Arcadian Ave., Waukesha, Wis. (Adjustable.)
Wendt-Sonis Co., Hannibal, Mo. "W-S." (Solid carbide tipped.)
Wesson Co., 12200 Woodward Heights Blvd., Ferndale 20, Mich.
Westmore Reamer Co., 420 N. 27th St., Milwaukee 8, Wis. (Adjustable.)
Whitman & Barnes, Div. of United Drill & Tool Corp., Plymouth, Mich. "Hercules." (Solid and expansion.)
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

REAMERS, VALVE SEAT, See Tools, Valve Seat Refinishing

RECAPPING & RETREADING, See Molds, Tire Recapping & Retreading

RECLAIMERS, Crankcase Oil

Burt Mfg. Co., 44 E. South St., Akron 11, O.
Hilliard Corp., 113 W. Fourth St., Elmira, N. Y. "Hilco."
Kidde & Co., Walter, Youngstown Miller Div., 675 Main St., Belleville, N. J. "Youngstown Miller."
Sparkler Mfg. Co., Lake St., Mundelein, Ill.

RECORDERS, Vibration

Impact-O-Graph Corp., 1900 Euclid Ave., Cleveland 15, Ohio.

RECORDERS, Vehicle Movement

Engler Instrument Co., 250 Culver Ave., Jersey City 5, N. J. "Pe Ja Travel Log."
Sangamo Electric Co., Converse & N. 10th St., Springfield, Ill. "Sangamo Tachograph." (Sole distributors, Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.)
Service Recorder Co., 1375 Euclid Ave., Cleveland 15, Ohio. "Servis."
United States Taximeter Co., 514 W. 54th St., New York 19, N. Y. "Ustclock," "Ustocograph," "Ustcometers."
Wagner Electric Corp., 6476 Plymouth Ave., St. Louis 14, Mo. "Tachograph."

REFACERS, Valve, Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Ia. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Evans Reamer & Machine Co., New Lexington, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Valve."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Tobin-Arp Mfg. Co., 6400 Penn Ave. S., Minneapolis 23, Minn.
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.
Van Norman Co., 3640 Main St., Springfield 7, Mass.
Waterbury Tool, Div. of Vickers, Inc., 118 E. Aurora St., Waterbury 91, Conn. "Waterbury Hall."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

REFLECTIVE MATERIALS

By-Buck Co., 4314 W. Pico Blvd., Los Angeles 6, Calif.
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul, Minn. "Scotchlite."
Prismo Safety Corp., Huntington, Pa.

REFLECTORS, Safety

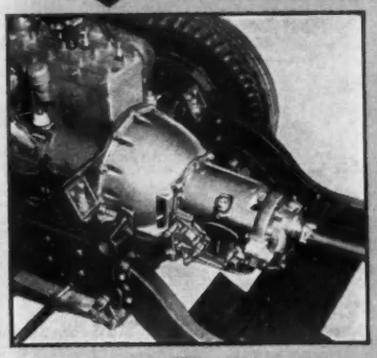
American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill. "King Bee Hy-power," "King Bee Foto-Ray."
Amesbury Metal Products Co., 39 Oakland St., Amesbury, Mass.
Anthes Force Oiler Co., Ft. Madison, Iowa.
Arrow Safety Device Co., Mt. Holly, N. J. "Arrowlite."
Auto Lamp Mfg. Co., 2909 S. Indiana Ave., Chicago 16, Ill. (For trucks.)
Bolser Corp., S. Main St., Cedar Falls, Iowa. (For trucks.)
Cole Automotive Products Co., 2705 S. Michigan Ave., Chicago 16, Ill. (For trucks, trailers and buses.)
Delbar Products, Inc., 7th & Spruce Sts., Perkasie, Pa.
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y. (For trucks.)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Tiger Ey."
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio.
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky.
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Johnson Glass Co., 5248 Elston Ave., Chicago 30, Ill.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S." (Red, green or amber reflecting glass.)
Miro-Flex Co., 1824 E. Second St., Wichita 7, Kan. "Miro-Flare."
Norlipp Co., 5925 S. Lowe Ave., Chicago 21, Ill. (For trucks.)
Persons-Majestic Mfg. Co., 54 Commercial St., Worcester, Mass.
S & M Lamp Co., 119 W. 36th Place, Los Angeles 54, Calif.
Snow Plastics Corp., 5840 S. Oakley Ave., Chicago 36, Ill. "Cragg."
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich. (Red and amber.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Superior Parts Mfg. Corp., 1922 W. Grand Ave., Chicago 22, Ill.
U. S. Tool & Mfg. Co., 1528 Armitage Ave., Chicago 22, Ill. "Eagle Brand."
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (For trucks.)

REFRIGERATING UNITS, Truck and Trailer

Air Induction Corp., 122 W. 30th St., New York 1, N. Y.
American Mfg. Co., P. O. Box 989, Montgomery 2, Ala. "Arctic Traveler." (Gasoline and electric driven.)

DIVCO DELIVERY TRUCK—ENGINEERED EXPRESSLY FOR THE SPECIALIZED NEEDS OF HOUSE-TO-HOUSE DELIVERY SERVICE

CONTINENTAL RED SEAL SUPER-4162 PROVIDES BUILT-FOR-THE-JOB POWER



DIVCO

DELIVERS THE GOODS WITH CONTINENTAL RED SEAL® POWER

Door-to-door delivery service makes exacting demands upon a truck—demands differing widely from those of normal use. High ratio of idling time to total engine operation complicates the cooling problem, while the far more frequent starts and stops accelerate wear on many parts. High among the reasons why Divcos deliver more goods at lower cost: new *Divcomatic transmission, and built-for-the-job Red Seal power.*

DIVCO CHASSIS WITH NEW DIVCOMATIC TRANSMISSION—DESIGNED FOR DEPENDABILITY, ECONOMY, LOW UPKEEP COST

1905 SAE GOLDEN ANNIVERSARY 1955

Continental Motors Corporation
MUSKEGON, MICHIGAN

CONTINENTAL MOTORS® Powerful as the Nation AMERICA'S STANDARD

6 EAST 45TH STREET, NEW YORK 17, N. Y. • 3817 S. SANTA FE AVE., LOS ANGELES 58, CALIF.
6218 CEDAR SPRINGS ROAD, DALLAS 9, TEXAS • 910 S. BOSTON ST., ROOM 1008, TULSA, OKLA.
1252 OAKLEIGH DRIVE, EAST POINT (ATLANTA) GA.

REFRIGERATING UNITS, Truck and Trailer—*continued*

Bowser Technical Refrigerator Div., Bowser, Inc., Terryville, Conn.
Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.
Carrier Corp., 300 S. Geddis St., Syracuse 1, N. Y.
Coldmobile Div. of Union Asbestos & Rubber Co., 332 S. Michigan Ave., Chicago 4, Ill. "D&G," "Coldmobile." (Ice bunker, mechanical.)
Copeland Refrigeration Corp., Chilton St., Sidney, Ohio.
Dole Refrigerating Co., 5920 N. Pulaski Rd., Chicago, Ill. (Vacuum cold plate evaporators.)
Dyna-Kold Corp., 3221 20th St., San Francisco 10, Calif.
Elston Co., Rue R., 2397 University Ave., St. Paul 14, Minn. (Dry ice for cargo.)
Foster-Built Bunkers, Inc., 757 W. Polk St., Chicago 7, Ill. (Dry ice.)
Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton, Ohio.
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio. (Dry ice.)
Illinois Auto Electric Co., 2111 S. Indiana Ave., Chicago 16, Ill. (Sales outlet.)
Keco Industries, Inc., 2832 Spring Grove Ave., Cincinnati 25, Ohio.
Kold Hold Div. of Tranter Mfg., Inc., 620 E. Hazel St., Lansing 4, Mich. "Kold-Hold," "Kold Trux."
Lehigh Mfg. Co. Div. Lehigh Foundries, Inc., Fountain Ave., Lancaster, Pa.
Marvel Industries, Inc., Sturgis, Mich. (Trailer.)
Meyer Body Co., 218 Elm St., Buffalo 3, N. Y. "Frigid-Fin."
Schwitzer-Cummins Company, 1125 Massachusetts St., Indianapolis 7, Ind.
Tecumseh Products Co., Tecumseh, Mich.
Theurer Wagon Works, Inc., 601 W. 56th St., New York 19, N. Y. "Theurer Icefin."
Tru Kooler, Inc., 135 S. Frederick Ave., Oelwein, Iowa.
U. S. Thermo Control Co., 44 S. 12th St., Minneapolis 4, Minn. "Thermo-King."

REGROOVERS, Tire

Bean Div. Food Mchry. & Chemical Corp., 1305 S. Cedar St., Lansing 4, Mich.
International Equipment Co. Div. Morrison Railway Supply Corp., P. O. Box 185, Sta. F, Buffalo, N. Y.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa.
Keystone Rubber & Equipment Corp., 1335 N. 5th St., Philadelphia 22, Pa. "Uni Gruve."
Mertens Mfg. Co., 1533 Hamilton Ave., Racine, Wis.
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.
Thompson & Sons, O. E., 400 River St., Ypsilanti, Mich. "Champion." (Electrically heated, hand operated.)
Van Tool, 139 N. 22nd St., Philadelphia 3, Pa.

REGULATORS, Current and Voltage

American Bosch Corp., Springfield 7, Mich.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Thersea Ave., St. Louis 3, Mo.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electra Mfg. Co., 2537 Madison Ave., Kansas City 8, Mo.
Electric Auto-Lite Co., Toledo 1, Ohio.
Electro Auto-Lite Co., Owen Dyneto Div., 1930 Park Ave., Syracuse, N. Y.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Guaranteed Parts Co., Seneca Falls, N. Y.
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. "Illaco."
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill. (Voltage.)
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio.
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sprensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill.
Tasco Products, Inc., 199 Vermont St., Brooklyn 7, N. Y.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y.

REGULATORS, Humidity, Paint Shop

Bristol Co., Waterbury 91, Conn.
Minneapolis-Honeywell Regulator Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
Andrews Mfg. Co., 924 S. Thersea Ave., St. Louis 3, Mo.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. (Horn.)
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electra Mfg. Co., 2537 Madison Ave., Kansas City 8, Mo.
Powers Regulator Co., 3400 Oakton St., Skokie, Ill.
Standard Dry Kiln Co., P. O. Box 5708, Indianapolis 21, Ind.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J. "Tag."

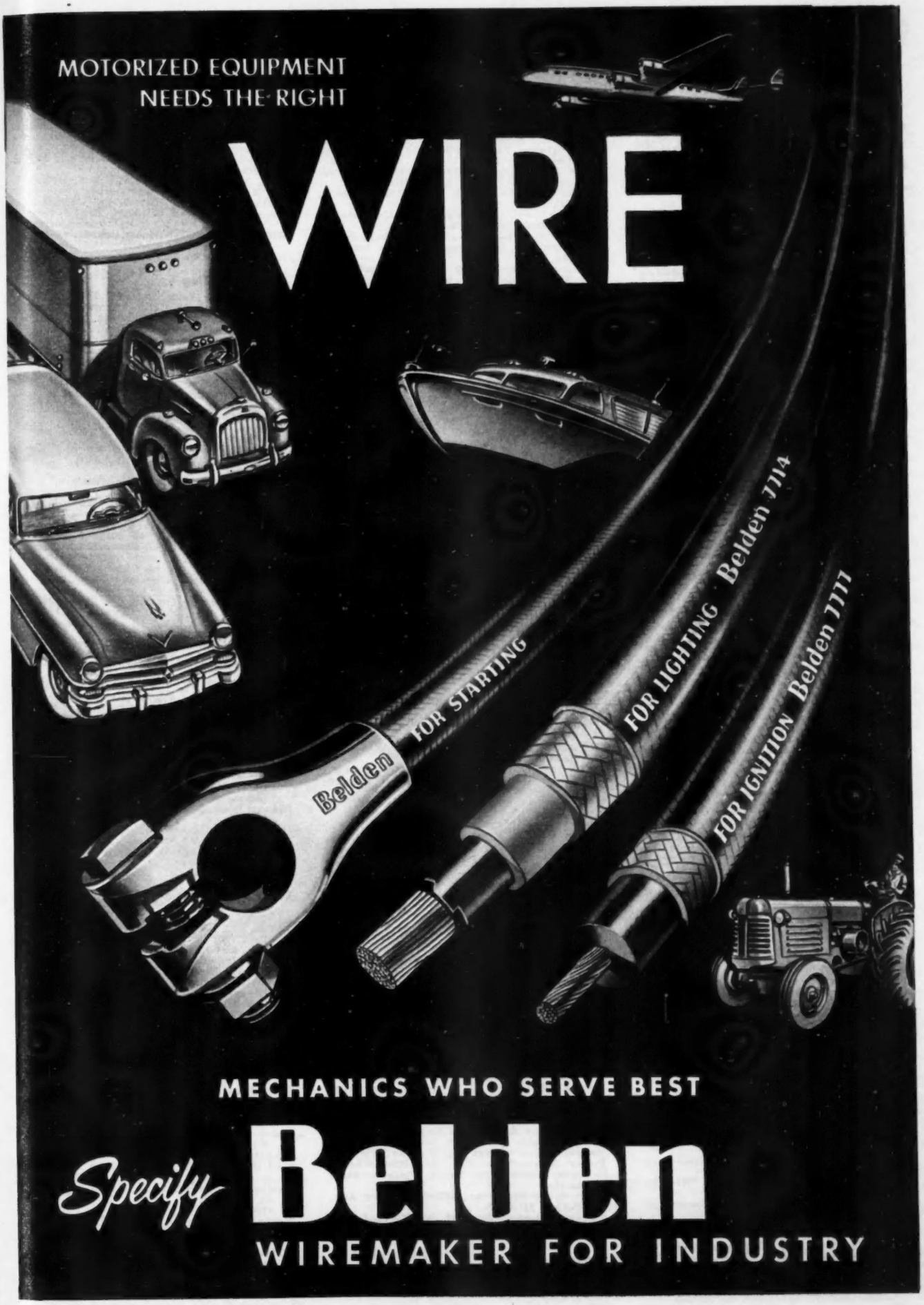
RELAYS, Horn and Light

American Motor Products Co., Fond du Lac, Wis.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y.
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. "Illaco."
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb. (Horn.)
Kem Mfg. Co., 20 Wagaraw Rd., Fair Lawn, N. J.
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa. "Nyco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna St., Loganport, Ind.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, L. I., N. Y. "Blue Streak."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill.
Tasco Products, Inc., 199 Vermont St., Brooklyn 7, N. Y.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis (Light.)
Wheel Parts & Mfg.
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo. (Light.)

REMOVERS, OIL AND GREASE. See Solvents, Oil Carbon and Grease Removing

REMOVERS, Paint, Enamel and Varnish

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Proxlin."
Aeroil Products Co., Wesley St. South, Hackensack, N. J. "Aeroil Auto-Salv."
American Chemical Paint Co., Brookside Ave. & Reading R. R., Ambler, Pa. "Solvent No. 3."
American Varnish Co., 1138 N. Branch St., Chicago 22, Ill.
Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Ball Chemical Co., 524 Federal St., Pittsburgh 12, Pa.
Barr & Co., W. M., 2336 S. Lauderdale St., Memphis 6, Tenn. "Formula A," "Kleen Strip" & "Strip-X." (Sole distributors, Klean Strip Co, Box 3565, Memphis 6, Tenn.)
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Brolite."
Brulin & Co., 2939 Columbia Ave., Indianapolis 7, Ind.
Cee-Bee Chemical Co., 9520 E. Ceebee Drive, Downey, Calif.
Celco Corp., 110 E. 42nd St., New York 17, N. Y. "Time Saver."
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. "Kaystrip." (Oil base paint.)
Continental Car-Na-Var Corp., Brazil, Ind. "Car-Na-Solve."
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Curran Corp., S. Canal St., Lawrence, Mass.
Day & Co., James B., 1872 Clybourn Ave., Chicago 14, Ill. "Kut-Kote."
Delta Chemical Co., 682 S. Cox St., Memphis 1, Tenn.
Detrex Corp., Box 501, Detroit 32, Mich. "Detrex," "Triad."
Ditzler Color Div. of Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
Fine Organus, Inc., 211 E. 19th St., New York 3, N. Y.
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio.
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "70 Stripper." (Hot.)
Helper Paint Removing Service, Inc., Cleveland, Ohio.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago 16, Ill. "Illbronze."
Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industro."
Kelite Products, Inc., 1250 N. Main St., Los Angeles, Calif.
Klem Chemicals, Inc., 14401 Lanson St., Dearborn, Mich.
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Mirac."
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Stripit."
Magnuson Products Corp., 50 Court St., Brooklyn, N. Y. "Permag."
Modene Paint Co., 305 Eastern Ave., Chelsea 50, Mass.
Morris Paint & Varnish Co., 1823 Washington Ave., St. Louis 3, Mo. "Superwet." (Paint and varnish.)
Nason & Co., R. N., 151 Potrero Ave., San Francisco, Calif. "Remuvol."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Octagon Process, Inc., 15 Bank St., Staten Island 1, N. Y. "Octastrip."
Pennsylvania Salt Mfg. Co., 456 Widener Bldg., Philadelphia 7, Pa. "Pennsalt."
Permo Products Corp., 1629 Platte St., Denver 2, Colo.
Pioneer Chemical & Mfg. Co., 9812 Meech Ave., Cleveland 5, Ohio.
Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn. "Kleer-Flo."
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich.
Rogers Paint Products, Inc, 8250 St Aubin Ave., Detroit 11, Mich.
Rossaul Co., 170 Fifth Ave., New York 10, N. Y. "Rossaul No. 23."
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio. "Five-Star."
Standard-Tock Chemicals, Inc., 2600 Richmond Terrace, Staten Island 3, N. Y. "Klensa."
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turco Stripper," "Turco Paint-Gon."
Wilson-Imperial Co., 115 Chestnut St., Newark, N. J. "Imperial." (Water rinsable.)
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich.


MOTORIZED EQUIPMENT
NEEDS THE RIGHT
WIRE
FOR STARTING
FOR LIGHTING Belden 7114
FOR IGNITION Belden 7171
Belden
MECHANICS WHO SERVE BEST
Specify Belden
WIREMAKER FOR INDUSTRY

REFRIGERATING UNITS, Truck and Trailer—*continued*

Bowser Technical Refrigerator Div., Bowser, Inc., Terryville, Conn.
Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.
Carrier Corp., 300 S. Geddis St., Syracuse 1, N. Y.
Coldmobile Div. of Union Asbestos & Rubber Co., 332 S. Michigan Ave., Chicago 4, Ill. "D&G," "Coldmobile." (Ice bunker, mechanical.)
Copeland Refrigeration Corp., Chilton St., Sidney, Ohio.
Dole Refrigerating Co., 5920 N. Pulaski Rd., Chicago, Ill. (Vacuum cold plate evaporators.)
Dyna-Kold Corp., 3221 20th St., San Francisco 10, Calif.
Elston Co., Rue R., 2397 University Ave., St. Paul 14, Minn. (Dry ice for cargo.)
Foster-Built Bunkers, Inc., 757 W. Polk St., Chicago 7, Ill. (Dry ice.)
Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton, Ohio.
Hunter Mfg. Co., 1550 E. 17th St., Cleveland 14, Ohio. (Dry ice.)
Illinois Auto Electric Co., 2111 S. Indiana Ave., Chicago 16, Ill. (Sales outlet.)
Keco Industries, Inc., 2832 Spring Grove Ave., Cincinnati 25, Ohio.
Kold Hold Div. of Tranter Mfg., Inc., 620 E. Hazel St., Lansing 4, Mich. "Kold-Hold," "Kold Trux."
Lehigh Mfg. Co. Div. Lehigh Foundries, Inc., Fountain Ave., Lancaster, Pa.
Marvel Industries, Inc., Sturgis, Mich. (Trailer.)
Meyer Body Co., 218 Elm St., Buffalo 3, N. Y. "Frigid-Fin."
Schwitzer-Cummins Company, 1125 Massachusetts St., Indianapolis 7, Ind.
Tecumseh Products Co., Tecumseh, Mich.
Theurer Wagon Works, Inc., 601 W. 56th St., New York 19, N. Y. "Theurer Icefin."
Tru Kooler, Inc., 135 S. Frederick Ave., Oelwein, Iowa.
U. S. Thermo Control Co., 44 S. 12th St., Minneapolis 4, Minn. "Thermo-King."

REGROOVERS, Tire

Bean Div. Food Mchry. & Chemical Corp., 1305 S. Cedar St., Lansing 4, Mich.
International Equipment Co. Div. Morrison Railway Supply Corp., P. O. Box 185, Sta. F, Buffalo, N. Y.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa.
Keystone Rubber & Equipment Corp., 1335 N. 5th St., Philadelphia 22, Pa. "Uni Gruve."
Mertens Mfg. Co., 1538 Hamilton Ave., Racine, Wis.
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.
Thompson & Sons, O. E., 400 River St., Ypsilanti, Mich. "Champion." (Electrically heated, hand operated.)
Van Tool, 139 N. 22nd St., Philadelphia 3, Pa.

REGULATORS, Current and Voltage

American Bosch Corp., Springfield 7, Mich.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Thersea Ave., St. Louis 3, Mo.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electra Mfg. Co., 2537 Madison Ave., Kansas City 8, Mo.
Electric Auto-Lite Co., Toledo 1, Ohio.
Electro Auto-Lite Co., Owen Dyneto Div., 1930 Park Ave., Syracuse, N. Y.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Guaranteed Parts Co., Seneca Falls, N. Y.
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. "Illaco."
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill. (Voltage.)
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio.
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill.
Tasco Products, Inc., 199 Vermont St., Brooklyn 7, N. Y.
United Motor Service, General Motors Bldg., Detroit 2, Mich.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y.

REGULATORS, Humidity, Paint Shop

Bristol Co., Waterbury 91, Conn.
Minneapolis-Honeywell Regulator Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
Andrews Mfg. Co., 924 S. Thersea Ave., St. Louis 3, Mo.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y. (Horn.)
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electra Mfg. Co., 2537 Madison Ave., Kansas City 8, Mo.
Powers Regulator Co., 3400 Oakton St., Skokie, Ill.
Standard Dry Kiln Co., P. O. Box 5708, Indianapolis 21, Ind.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J. "Tag."

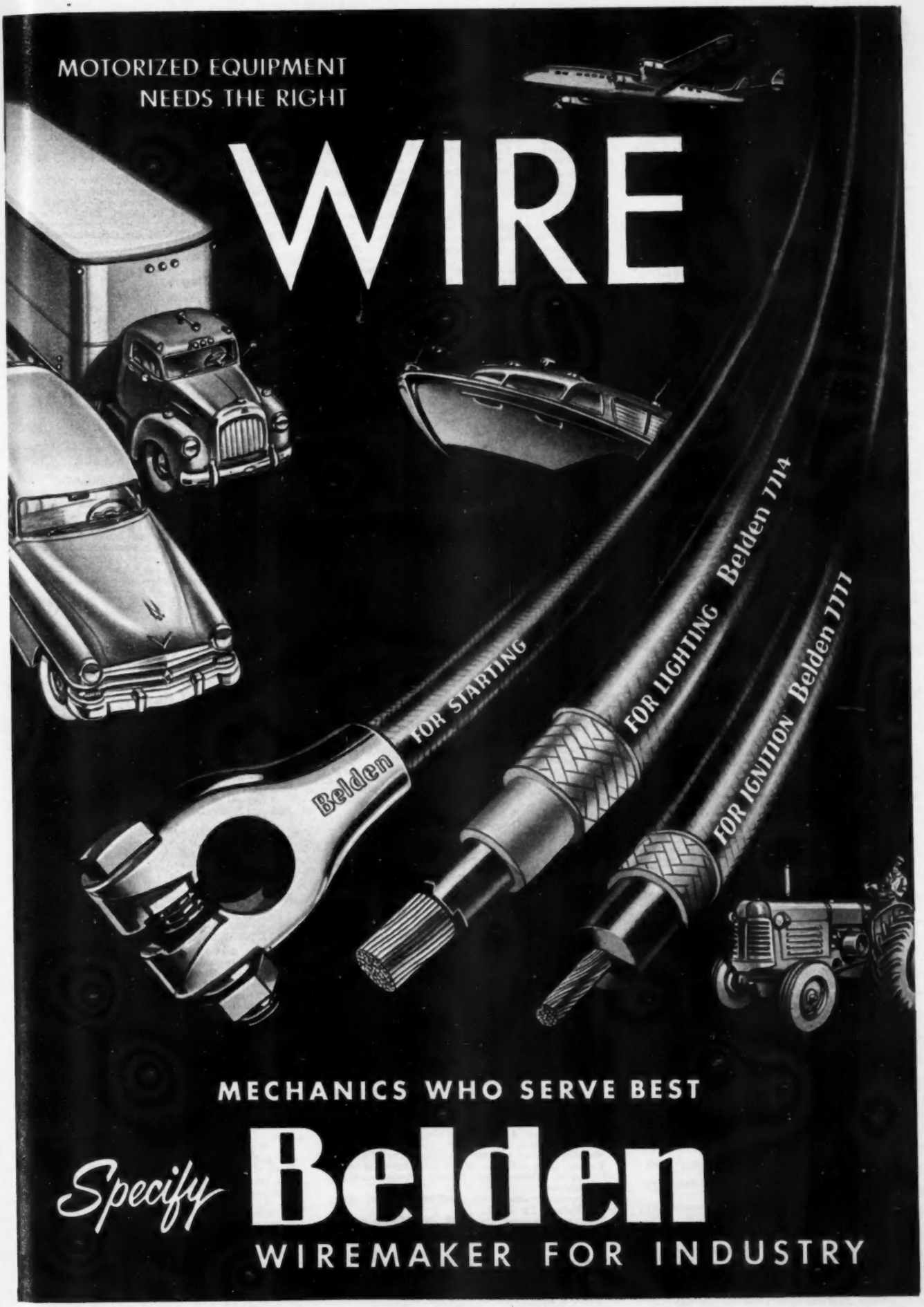
RELAYS, Horn and Light

American Motor Products Co., Fond du Lac, Wis.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y.
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. "Illaco."
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb. (Horn.)
Kem Mfg. Co., 20 Wagaraw Rd., Fair Lawn, N. J.
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa. "Nyco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna St., Loganport, Ind.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, L. I., N. Y. "Blue Streak."
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill.
Tasco Products, Inc., 199 Vermont St., Brooklyn 7, N. Y.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis (Light.)
Wheel Parts & Mfg.
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo. (Light.)

REMOVERS, OIL AND GREASE. See Solvents, Oil Carbon and Grease Removing

REMOVERS, Paint, Enamel and Varnish

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Proxlin."
Aeroil Products Co., Wesley St. South, Hackensack, N. J. "Aeroil Auto-Salv."
American Chemical Paint Co., Brookside Ave. & Reading R. R., Ambler, Pa. "Solvent No. 2."
American Varnish Co., 1138 N. Branch St., Chicago 22, Ill.
Arco Co., 7301 Bessemer Ave., Cleveland 27, Ohio.
Ball Chemical Co., 524 Federal St., Pittsburgh 12, Pa.
Barr & Co., W. M., 2336 S. Lauderdale St., Memphis 6, Tenn. "Formula A," "Kleen Strip" & "Strip-X." (Sole distributors, Klean Strip Co, Box 3565, Memphis 6, Tenn.)
Brown Co., Andrew, 5431 District Blvd., Los Angeles 22, Calif. "Brolite."
Brulin & Co., 2939 Columbia Ave., Indianapolis 7, Ind.
Cee-Bee Chemical Co., 9520 E. Ceebee Drive, Downey, Calif.
Celco Corp., 110 E. 42nd St., New York 17, N. Y. "Time Saver."
Clayton Mfg. Co., 401 N. Temple City Blvd., El Monte, Calif. "Kaystrip." (Oil base paint.)
Continental Car-Na-Var Corp., Brazil, Ind. "Car-Na-Solve."
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Curran Corp., S. Canal St., Lawrence, Mass.
Day & Co., James B., 1872 Clybourn Ave., Chicago 14, Ill. "Kut-Kote."
Delta Chemical Co., 682 S. Cox St., Memphis 1, Tenn.
Detrex Corp., Box 501, Detroit 32, Mich. "Detrex," "Triad."
Ditzler Color Div. of Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
Fine Organus, Inc., 211 E. 19th St., New York 3, N. Y.
Fischer Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio.
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "70 Stripper." (Hot.)
Helper Paint Removing Service, Inc., Cleveland, Ohio.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago 16, Ill. "Illbronze."
Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industro."
Kelite Products, Inc., 1250 N. Main St., Los Angeles, Calif.
Klem Chemicals, Inc., 14401 Lanson St., Dearborn, Mich.
Lucas & Co., John, 1617 Pennsylvania Blvd., Philadelphia 3, Pa. "Mirac."
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Stripit."
Magnuson Products Corp., 50 Court St., Brooklyn, N. Y. "Permag."
Modene Paint Co., 305 Eastern Ave., Chelsea 50, Mass.
Morris Paint & Varnish Co., 1823 Washington Ave., St. Louis 3, Mo. "Superwet." (Paint and varnish.)
Nason & Co., R. N., 151 Potrero Ave., San Francisco, Calif. "Remuvol."
Oakite Products, Inc., 19 Rector St., New York 6, N. Y.
Octagon Process, Inc., 15 Bank St., Staten Island 1, N. Y. "Octastrip."
Pennsylvania Salt Mfg. Co., 456 Widener Bldg., Philadelphia 7, Pa. "Pennsalt."
Permo Products Corp., 1629 Platte St., Denver 2, Colo.
Pioneer Chemical & Mfg. Co., 9812 Meech Ave., Cleveland 5, Ohio.
Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn. "Kleer-Flo."
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich.
Rogers Paint Products, Inc, 8250 St Aubin Ave., Detroit 11, Mich.
Rossaul Co., 170 Fifth Ave., New York 10, N. Y. "Rossaul No. 23."
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio. "Five-Star."
Standard-Tock Chemicals, Inc., 2600 Richmond Terrace, Staten Island 3, N. Y. "Klensa."
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turco Stripper," "Turco Paint-Gon."
Wilson-Imperial Co., 115 Chestnut St., Newark, N. J. "Imperial." (Water rinsable.)
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich.


MOTORIZED EQUIPMENT
NEEDS THE RIGHT
WIRE
FOR STARTING
FOR LIGHTING Belden 7114
FOR IGNITION Belden 7171
Belden
MECHANICS WHO SERVE BEST
Specify Belden
WIREMAKER FOR INDUSTRY

RESURFACERS, Floor

Monroe Co., Inc., 10703 Quebec Ave., Cleveland 6, Ohio.
Stonhard Co., 1306 Spring Garden St., Philadelphia 23, Pa. "Stonhard Resurfacer," "Stonplastic," "Stonpach."

RETAINERS, Oil and Grease

Acadia Div., Western Felt Works, 4035 Ogden Ave., Chicago 23, Ill. "Acadiaseal." (Synthetic rubber.) "Arcadia Resistofelt."
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Atlas Asbestos Co., North Wales, Pa. (Water pump.)
Booth Felt Co., 476 19th St., Brooklyn 15, N. Y. (Felt.)
Brummer Mfg. Corp., 1324 McKinley St., Chicago Heights, Ill.
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass. "Grafton."
Chicago Rawhide Mfg. Co., 1301 Elston Ave., Chicago 22, Ill.
Copeland-Gibson Products Corp., 7451 W. Eight Mile Rd., Detroit, Mich. "C-G."
Felt Products Mfg. Co., 1508 Carroll Ave., Chicago 7, Ill. "Fel-Pro."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Graphite Metallizing Corp., 1080 Nepperhan Ave., Yonkers 3, N. Y. "Graphalloy."
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass. (Synthetic, to order.)
Krug Co., North St., Barnum Court, Danbury, Conn.
Lothrop Co., Frank B., 81 River St., South Acton, Mass. "Tiger." (For Ford and Chevrolet cars.)
McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.
Michigan Leather Products Co., 6301 E. Lafayette St., Detroit 7, Mich. "Milpaco."
Muskegon Piston Ring Co., Muskegon Div. Sixth & Alpha Sts., Muskegon, Mich.
National Motor Bearing Co., Redwood City Calif. (Seals.)
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa. "Purebon."
Roberts Toledo Rubber Co., Prospect & MC RR., Toledo 6, Ohio.
Rodic Chemical & Rubber Corp., Allen Ave., New Brunswick, N. J.
Simplex Piston Ring Mfg. Co., 3830 Kelley Ave., Cleveland 14, Ohio.
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Steel-Bronze Sealing Rings Co., 540 S. Meridian St., Indianapolis 25, Ind. "Non-breakable."
Trautner Mfg. Co., 876 University Ave., St., Paul 4, Minn. (Rear axle, for Ford, Chevrolet, Plymouth, Dodge, De Soto and Chrysler cars.)
Universal Oil-Seal Co., 34 W. Kennett Rd., Pontiac, Mich.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. "Victoprene."
Western Felt Works, 4035 Ogden Ave., Chicago 23, Ill. "Resistofelt." (Felt.)

RIMS, Wheel

Firestone Steel Products Co., 1600 Firestone Parkway, Akron 10, Ohio.
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio. (Bus and truck.)
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Motor Wheel Corp., 735 E. Saginaw St., Lansing 3, Mich.

RINGS, Piston

American Hammered Automotive Replacement Div. 2001 Sanford St., Muskegon, Mich.
Antajen Industries, Ltd., 937 Post St., San Francisco 9, Calif.
Burd Piston Ring Co., 1401 23rd Ave., Rockford. Ill. "Burd Graf-Flex."
Cord Piston Ring Mfg. Co., 1351 S. Olive St., Los Angeles 15, Calif.
Double Seal Ring Co., 2065 Montgomery St., Ft. Worth, Tex.
Gill Piston Ring Co., 6900 Cottage Grove Ave., Chicago 37, Ill.
Grant & Grant Co., 241 N. Westmoreland Ave., Los Angeles 4, Calif.
Haling Co., 1061 First Ave., Rochester, Minn.
Hangliter Mfg. Co., 983 S. Raymond Ave., Pasadena, Calif. "Hanco."
Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich. "Steel-Vent."
International Parts Corp., 11th & State Sts., Chicago 5, Ill.
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. "Hico."
Luthy Co., F. A., 302 Cooper St., Jackson, Mich.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo. "Leak Proof."
Moog Piston Ring Co., Div. of Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo.
Muskegon Piston Ring Co., Muskegon Div., Sixth & Alpha Sts., Muskegon, Mich.
Pacific Piston Ring Co., 1410 S. Los Angeles St., Los Angeles 15, Calif.
Perfect Circle Corp., 552 S. Washington St., Hagerstown, Ind.
Ramsey Corp., 3693 Forest Park Blvd., St. Louis 8, Mo. "Ramco."
Richmond Ring Co., Souderton, Pa.
Roberts Mfg. Co., 118 Monroe St., St. Charles, Mo.
Royal Piston Ring Co., Box 647, Bath, N. Y. "Ascot," "Everyday," "Ever Step," "Maidrite," "Royal."
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Steel-Bronze Sealing Rings Co., 540 S. Meridian St., Indianapolis 25, Ind. "Non-Breakable." (Steel or bronze.)
Superior Piston Ring Co., 6425 Epworth Blvd., Detroit 10, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. "Diatrol," "Toledo First-Line."
Valv-Lite Piston Ring Co., Sheperd St., Toledo 1, Ohio. "Valv-Tite." "Fit-Well," "RX," "Universal," "Layr-Bilt," "Royal Crown."
Wausau Motors Parts Co., 1003 Harrison Blvd., Wausau, Wis. "Oilsavr," "Super Port Oil," "HT-100," "Monotype Oil Save."
Wel-Ever Piston Ring Co., 1701 Speilbusch Ave., Toledo 1, Ohio. "Bevl Chanl," "Flexo," "Super Flexo," "Speed," "Dran-Bac," "Multi-Comp," "Aroloy," "Welco," "Dual Compression," "Twin-Rail," "Aro Cast," "E. C. Slot," "Fast Flow," "Free Drain," "Flexo-Steel," "High Test Comp," "Improved Aroloy," "BC Flexo," "Welco-X."
White Machine Works. 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."

RINGS, PISTON EXPANDERS, See Expanders, Piston Ring

RIVETERS

Bunell Machine & Tool Co., 1601 E. 23rd St., Cleveland 14, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "Boyer." (Portable pneumatic.)
Chicago Rivet & Machine Co., 9603 W. Jackson Blvd., Bellwood, Ill. (Chicago Suburb.)
Engineering & Research Corp., P. O. Box 209, Hyattsville, Md. "Erco."
Ferracute Machine Co., 429 E. Commerce St., Bridgeton, N. J.
Grant Mfg. & Machine Co., 90 Sillman Ave., Bridgeport 5, Conn.
Hanna Engineering Works. 1765 Elston Ave., Chicago 22, Ill. (Pneumatic and hydraulic.)
Hannifin Corp., 1101 S. Kilbourn Ave., Chicago 24, Ill. "Hy-Power." (Hydraulic.)
High Speed Hammer Co., 313 Norton St., Rochester 5, N. Y.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Independent Pneumatic Tool Co., 175 State St., Aurora, Ill. "Thor." (Portable pneumatic.)
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Lempco Products, Inc., 5727 Dunham Rd., Bedford, Ohio.
Milford Rivet & Machines Co., Post Rd., Milford, Conn.
National Rivet & Mfg. Co., Waupun, Wis.
Power Brake Parts Mfg. Co., 8060 Wheeler Ave., Detroit 10, Mich. (Portable pneumatic.)
Robinson Products, Inc., 16550 Wyoming Ave., Detroit 21, Mich.
Tomkins-Johnson Co., 617 N. Mechanic St., Jackson, Mich. "Rivitor."

RIVETS, Blind

Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio. "Lok-Skru," "Lok-Rivet."
du Pont de Nemours & Co., E. I., Explosives Dept., Wilmington 98, Del. (Explosive type.)
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. "Rivnut."
Huck Mfg. Co., 2480 Bellevue Ave., Detroit 7, Mich. (Aluminum and steel.)
South Chester Corp., Lester, Pa. "Southco."
Townsend Co., New Brighton, Pa.

RODS, CONNECTING, See Connecting Rods

RODS, Welding

Acme Electric Welder Co., 2618 Fruitland Ave., Los Angeles 58, Calif. "Acmeloy," "Hardaloy," "Stainaloy," "Superloy."
Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York 17, N. Y. "Airco."
Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Alloy Rods Co., W. Market St., York, Pa. "Acaloy," "Bronze-Arc," "Nickel-Arc," "Tool-Arc," "Wear-Arc," "Weld-Arc."
All-State Welding Alloys Co., 249 Ferris Ave., White Plains, N. Y. "All-State," "Keenweld," & "Monowelds."
Aluminum Co. of America, 1501 Alcoa Bldg., Pittsburgh 19, Pa.
American Brass Co., 414 Meadow St., Waterbury 20, Conn. "Anaconda," "Tobin Bronze."
American Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio.
Ampco Metal, Inc., 1747 S. 38th St., Milwaukee 15, Wis. "Ampco-Trode."
Atlantic Steel Co., 16th & Mecaslin St., Atlanta, Ga.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Chicago Hardware Foundry Co., 2500 Commonwealth Ave., North Chicago, Ill. "Fuse-Well," "Moly."
Colonial Alloys Co., Ridge Ave. & Crawford St., Philadelphia 29, Pa. "Colweld."
Crucible Steel Co. of America, 535 Smithfield St., Pittsburgh, Pa.
Dockson Corp., 3839 Wabash Ave., Detroit 8, Mich.
Eutectic Welding Alloys Corp., 40-40 172nd St., Flushing, N. Y. "Cuttrode," "Eutec-Rod," "Eutectrodes," "Steeltetic."
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y.
Harnischfeger Corp., 4400 W. National Ave., Milwaukee, Wis. "P. & H."
Haynes Stellite Co. (a div. of Union Carbide & Carbon Corp.), 725 S. Lindsay St., Kokomo, Ind. (Hard facing.)
Hobart Bros. Co., Canal Locks Square, Troy 1, Ohio.
International Nickel Co., 67 Wall St., New York 5, N. Y. "Ni-Rod." (Cast iron.)
Krembs & Co., 669 W. Ohio St., Chicago 10, Ill. "Kop-R-Arc."
Lincoln Electric Co., 22801 St. Clair Ave., Cleveland 17, Ohio.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Oxweld." ("Unionwelt" coiled.)
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa. "McKay Rod."
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis 6, Ind. "Elkaloy" & "Fluted Electrode." (Resistance.)
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Metal & Thermit Corp., 100 E. 42nd St., New York 17, N. Y. "Murex."
Mueller Brass Co., 1925 Lapeer Ave., Port Huron, Mich.
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "NCG" & "Sureweld."
Revere Copper and Brass, Inc., 230 Park Ave., N. Y. 17, N. Y. (Copper, brass and bronze.)
Sight Feed Generator Co., West Alexandria, Ohio. "Rexarc."
Smith Corp., A. A., 27th & Hopkins Sts., Milwaukee 1, Wis.
Speer Carbon Co., St. Marys, Pa. "A C Weld" & "Hold-Ark."
Titan Metal Mfg. Co., Bellefonte, Pa.
Wall Colmonoy Corp., 19345 John R St., Detroit 3, Mich.
Welding Equipment & Supply Co., 223 Leib St., Detroit 7, Mich. "Eureka." (Tool steel; alloy.)
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.

ROTORS, DISTRIBUTORS, See Parts, Ignition

RUB-RAILS, PRESSED STEEL, See Rails, Rub (Pressed Steel)

RUST PREVENTATIVES, Cooling System

Allube Corp., 928 Allen Ave., Glendale 1, Calif. "Ferr-O-Ban."
Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite Rust-Stop."
American Sand-Banum Co., 9 Rockefeller Plaza, New York 20, N. Y. "Sand-Banum." (Colloidal tablets.)
Barton Products Co., 2765 St. Mary's Court, Chicago 47, Ill.
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Butler Eng. Co., 2610 Russeau St., New Orleans 11, La. (Butler De-Scaler.)
Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Rustbuster."
Champion Products, Inc., P. O. Box 291, Stephenville, Tex.
Chicago Hydraulic Oil Co., 371 E. 116th St., Chicago 28, Ill. "Rustgon."
Commercial Solvents Corp., 17 E. 42nd St., New York 17, N. Y. "Nor'Way Anti-Rust."
Drew & Co., E. F., 15 E. 26th St., New York, N. Y. "Ameroid."
du Pont de Nemours & Co., E. I., Finishes Div., Chemical Specialties Sales, du Pont Bldg., Wilmington 98, Del. "No. 7."
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y.
Hollingshead Corp., R. M. 840 Cooper St., Camden, N. J. "Whiz."
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Rd., Corapolis, Pa. "Hypressure Jenny."
Hood Refining Co., 305 S. Pennsylvania Ave., Greensburg, Pa.
Kelite Products, Inc., Box 2917 Terminal Annex, Los Angeles 54, Calif.
K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Mac's Super Gloss Co., 6040 N. Figueroa St., Los Angeles 42, Calif.
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Mirrorlike Mfg. Co., 36th St. & Queens Blvd., Long Island City, N. Y.
Motor Kool Products Co., 505 Buttles Ave., Columbus 8, Ohio. "M-K Rustrite."
National Carbon Co., 30 E. 42nd St., New York 17, N. Y. "Rustone."
Oakite Products, Inc., 19 Rector St., New York, N. Y.
Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."
Permatex Co., 1702 Ave. Y, Brooklyn 35, N. Y.
Permo Products Co., 1629 Platte St., Denver 2, Colo.
Radiator Seal Co., 120 Stutsman St., Council Bluffs, Iowa. "R-C."
Radiator Specialty Co., 1700 Dowd Rd., Charlotte 1, N. C. "Auti-Rust."
Rust Master Chemical Co., 50 Creighton St., Boston, Mass.
Sinclair Refining Co., 600 Fifth Ave., New York, N. Y.
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil Hydrotone."
Speco, Inc., 7308 Associate Ave., Cleveland 9, Ohio. "Rad-Glo."
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa. "Sunoco."
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif. "Turoc Radox."
U. S. Chemical & Supply Co., 918 E. 5th St., Kansas City 6, Mo. "Z-4."
V-O Mfg. Co., 13245 Sherman Way, Hollywood, Calif.
Warehouse Distributors Co., 2731 N. 6th St., Phila. 33, Pa. "Sure-Rite."
Warner-Patterson Co., 920 S. Michigan Ave., Chicago 5, Ill.
Water Treatment Co. of America, 1159 Hodgkiss St., Pittsburgh 12, Pa.
Watts-Wagner Co., 123 W. 64th St., New York 23, N. Y. "Rust-Ex."
Wilco Co., 4425 Bandini Blvd., Los Angeles 23, Calif.
"X" Laboratories, Inc., 25 W. 45th St., New York 19, N. Y.
Zecol, Inc., 155 E. Kilbourn Ave., Milwaukee 1, Wis.

SAND, Traction Sander

Keystone Granite Quarry, Old Zionsville, Pa.

SANDERS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Aro Equipment Corp., Bryan, Ohio.
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Metalmaster."
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44 St., New York, N. Y. "Hicycle & Supercycle."
Clarke Sanding Machine Co., 30 E. Clay Ave., Muskegon, Mich.
Cummins Portable Tools, Div. Cummins Chicago Corp., 4740 W. Ravenswood Ave., Chicago 40, Ill.
Detroit Surfacing Machine Co., 1333 E. Eight Mile Rd., Detroit 20, Mich. "Easy." (Reciprocating.)
Dremel Mfg. Co., 2420 18th St., Racine, Wis. "Motor-Sander."
Jones Motrola Corp., 132 Fairfield Ave., Stamford, Conn.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5350 W. State St., Milwaukee 8, Wis.
National Air Sander, Inc., 2810 Auburn St., Rockford, Ill.
Nedco Co., 88 Rumford Ave., Waltham, Mass.
Portable Elect. Tools, Inc., 320 W. 83rd St., Chicago 20, Ill.
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Rotor Tool Co., 23600 Lakeland Blvd., Cleveland 23, Ohio.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "SkilSander." (Belt and disc.)
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn.
Speed Way Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Sundstrand Machine Tool Co., Pneumatic Div., Rockford, Ill.
Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Co., 3620 Llewelyn St., Cincinnati 23, Ohio. "U. S."

SANDERS, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio. (Bolt and disc types.)
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP," "Hicycle" & "Supercycle."
Cleco Div. of Reel Roller Bit Co., 5125 Clinton Dr., Houston 1, Tex.
Detroit Surfacing Machine Co., 1333 E. Eight Mile Rd., Detroit 20, Mich. "Easy." (Reciprocating.)
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio. "Master Power."
National Air Sander, Inc., 2810 Auburn St., Rockford, Ill. "Mity-Midget."
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y. "Speedmatic Speed-Bloc."
Rotor Tool Co., 23600 Lakeland Blvd., Cleveland 23, Ohio.
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.

SANDERS, Road

Anderson Machine and Tool Works, Inc., Chaska, Minn.
Highway Safety Appliances, Inc., 1381 Marshall Ave., St. Paul 4, Minn. "Elston." (Electric for truck and bus.)
Lintern Corp., P. O. Box 428, Painesville, Ohio. "Lintern." (Sole distributors, Lintern-Jolene Sales Corp., P. O. Box 428, Painesville, Ohio; Air, electric and vacuum operated, for trucks and buses.) "Clysan."

SANDPAPER

Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Behr-Manning Corp., Troy, N. Y. "Adalox," "Durite," "Metalite," "Speed-Wet Durite."
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y. "Aloxite."
Clover Mfg. Co., Norwalk, Conn.
Mid-West Abrasive Co., 510 S. Washington St., Owosso, Mich.
Minnesota Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn. "Three-M-Ite," "Wetordry Tri-Mite."
Sandusky Abrasive Wheel Co., Park & Borden, Sycamore, Ill.

SAWS, Circular

Beach Mfg. Co., Mill & High Sts., Montrose, Pa.
Beebe Bros., 2724 Sixth Ave., S. Seattle 4, Wash. "BB Speed-Cut," "Little Cut-Up." Jig, for brake lining cutting.)
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Clemson Bros., 22 Cottage St., Middletown, N. Y. "Star."
Colladay Machine Works, 125 E. Luray St., Philadelphia 20, Pa.
Crowningshield, F. K., 71 Swamp Rd., Greenfield, Mass.
Delta Power Tool, Div. Rockwell Mfg. Co., 600 E. Vienna Ave., Milwaukee, Wis.
De Walt, Inc., Fountain Ave., Lancaster, Pa.
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill. "Do All Zephyr." (Contour.)
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Famco Machine Co., 3100 Sheridan Rd., Kenosha, Wis.
Greenlee Bros. & Co., 2100 12th St., Rockford, Ill.
Grob Bros., Crafton, Wis. (Die.)
Hermance Machine Co., 178 Campbell St., Williamsport 19, Pa.
Jones Superior Machine Co., 1258 W. North Ave., Chicago, Ill.
Laidlaw, Inc., Wm., 7 Greenwich St., Belmont, N. Y.
Moak Machine & Tool Co., 2547 Connor St., Port Huron, Mich.
Porter Machinery Co., C. O., 666 Front Ave., N. W., Grand Rapids, Mich.
Ryerson & Son, Inc., Jos. T. 16th & Rockwell Sts., Chicago, Ill.; also 1600 E. Euclid Ave., Detroit, Mich.
Tannewitz Works, 315 Front Ave., N. W., Grand Rapids 4, Mich.
Walker-Turner Div., Kearney & Trecker Corp., 639 South Ave., Plainfield, N. J.
Wallace & Co., J. D., 134 S. California Ave., Chicago, Ill.
Wells Mfg. Corp., E. on Highway M-60, Three Rivers, Mich.
Yates-American Machine Co., Beloit, Wis.

SAWS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md. "Quick-Sav."
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio. "Metalmaster."
Cummins Portable Tools, Div. Cummins Chicago Corp., 4740 W. Ravenswood Ave., Chicago 40, Ill.
Dremel Mfg. C., 2420 18th St., Racine, Wis. "Moto-Saw."
Forsberg Mfg. Co., 125 Sea View Ave., Bridgeport, Conn. "Whiz-Saw."
Greene & Sons, N. R., 3800 Lincolnway W., South Bend, Ind. (Hack saw attachment.)
Kett Tool Co., 5 E. Third St., Cincinnati 2, Ohio.
Lipe-Rollway Corp., 806 Emerson Ave., Syracuse 4, N. Y. "Hand-I-Hack." (Hack.)
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Mid-States Welder Mfg. Co., 6025 S. Ashland Ave., Chicago 36, Ill. "Mid-State Saw-Gun." (Attachment, for sawing or filing.)
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Co., 5350 W. State St., Milwaukee 8, Wis.
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Producers and Distributors, Inc., 714 S. Sixth St., Allentown, Pa.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Saw."
Speed Way Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa. (Attachment, for sawing and filing.)
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn.

SAWS, Portable, Electric—cont'd

Syntron Co., 495 N. Lexington Ave., Homer City, Pa.
Wyzenbeek & Staff, Inc., 223 N. California Ave., Chicago 12, Ill. "Wyco." (Attachments for sawing or filing.)

SAWS, Portable Pneumatic

Producers and Distributors, Inc., 714 S. Sixth St., Allentown, Pa.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

SAWS, Power Hack

Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich. "Excel."
Maquoketa Co., Clark & Maple Sts., Clinton, Iowa. "Sawmore."
Peerless Machine Co., 1600 Junction Ave., Racine, Wis.
Racine Hydraulics & Machinery, Inc., 2000 Albert St., Racine, Wis.
Ryerson & Son, Inc., Jos. T., 16th & Rockwell Sts., Chicago, Ill.; also 1600 E. Euclid Ave., Detroit, Mich.
St. Louis Tool Co., 6100 Prescott St., St. Louis 15, Mo. "S-L."

SCALES, Weighing, Dial Type

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md. "Loadometer."

SCALES, Weighing (Dial Type)

Chatillon & Sons, John, 85-93 Cliff St., New York 38, N. Y.
Detecto Scales, Inc., Div. Jacobs Bros. Co., 540 Park Ave., Brooklyn, N. Y. "Detecto-Gram."
Dillon & Co., W. C., 14620 Keswick St., Van Nuys, Calif.
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Howe Scale Co., 3 Scale Ave., Rutland, Vt.
Toledo Scale Co., Telegraph Rd., Toledo 1, Ohio.

SCALES, Weighing, Platform Type

Bonded Scale & Machine Co., 83 Kingston St., Columbus, Ohio.
Buffalo Scale Co., 46 Letchworth St., Buffalo 13, N. Y.
Chatillon & Sons, John, 85-93 Cliff St., New York 38, N. Y.
Detecto Scales, Inc., Div. Jacobs Bros. Co., 540 Park Ave., Brooklyn, N. Y.
Exact Weight Scale Co., 944 W. Fifth Ave., Columbus 8, Ohio.
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Howe Scale Co., 3 Scale Ave., Rutland, Vt.
Toledo Scale Co., Telegraph Rd., Toledo 1, Ohio.

SCRAPERS, Bearing

Anderson Bros. Mfg. Co., 1907 Kishwaukee St., Rockford, Ill.
Cornwell Quality Tools Co., Mogadore, Ohio.
Millers Falls Co., Greenfield, Mass.
Osborne & Co., C. S., Jersey & Second Sts., Harrison, N. J.

SCRAPERS, Carbon

Aircraft Specialties, Inc., Howard & Higley Sts., Lapeer, Mich.
Atmars-Mechanico 3651 Lakeshore Ave., Oakland 10, Calif. "Katz-Klaw."
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Herbert Div. Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio.
Mechanic's Tool & Forge Co., Howard St., Sabina 1, Ohio. "Mac."
New Britain Machine Co., South St., New Britain, Conn.
P & C Hand Forged Tool Co., Box 5926 Milwaukie, Ore.
Proto Tools, 2209 Sante Fe Ave., Los Angeles 54, Calif. "Proto."
Quality Tools Corp., Railroad St., New Wilmington, Pa.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.

SCREENS, Silk Printing, Truck

Fowler Co., H. B., 250 Conestoga Rd., Wayne, Pa.

SCREW DRIVERS, Portable Electric

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York N. Y. "Hicycle."
Cincinnati Electrical Tool Co., 2699 Madison Rd., Cincinnati 8, Ohio.
Independent Pneumatic Tool Co., 175 State St., Aurora, Ill. "Thor."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.

BOS Hydraulic
TRUCK TIRE DEMOUNTER

Now, the new super model offers a quick and easy way to remove stuck or frozen casings and lock rings. The BOS hydraulic truck tire remover handles all sizes of truck tires — 15" to 24". Portable — used in shop or field • Avoids injury to operator, rim and tire. Precision built, compact and easy to handle • Features Hein-Werner hydraulic unit.

A. Attach BOS demounter. B. Raise demounter vertically and pump. C. Generally four applications will free rim.

THE THREE STAR
SAFETY FLATER

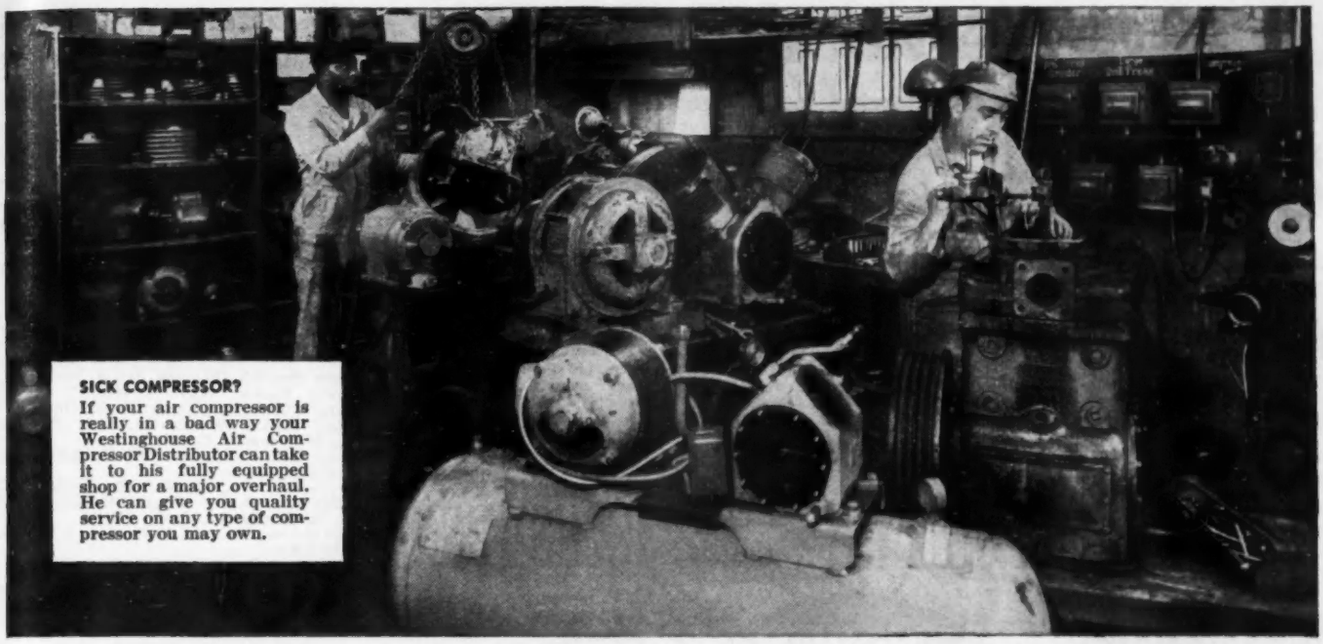
The Three Star Safety Flater is an amazingly simple device for positively protecting the operator, (when inflating truck tire) against the danger of blown lock rings. It is exceptionally easy to operate and may be adjusted to handle different sizes of wheels and rims.

The Three Star Safety Flater can be used anywhere in the shop as it is light and portable or it can be carried in a service truck for road calls.

The Three Star Safety Flater will protect your men and enable you to meet insurance underwriters specifications for safety.

MAIL ORDERS OR REQUESTS FOR FURTHER DETAILS TO

JACK P. HENNESSY SALES CO.
12 Depot Square Englewood, N.J.



SICK COMPRESSOR?
If your air compressor is really in a bad way your Westinghouse Air Compressor Distributor can take it to his fully equipped shop for a major overhaul. He can give you quality service on any type of compressor you may own.

Get fast service when you need compressor repairs

• Your Westinghouse Air Compressor Distributor knows how important a good air supply is to your business. So when you call him for repair service or a new air compressor, he'll get to your shop or station fast.

Westinghouse Air Compressor Distributors are located throughout the country. Each distributor has a fully equipped repair shop, an experienced maintenance crew, and a large stock of Westinghouse Air Compressors and repair parts. He's listed in the classified section of your telephone directory under Air Compressors.

LE ROI

LE ROI COMPANY

A Subsidiary of Westinghouse Air Brake Co.
MILWAUKEE 14, WISCONSIN
Plants: Milwaukee • Cleveland — Greenwich — Dunkirk, Ohio
Coldwater, Michigan

Manufacturers of air compressors, rock drills, engines, loaders and mixers.

Factory Branch: EMERYVILLE, CALIF. Distributors throughout the United States... Consult your Classified Directory. Distributed in Canada by: Canadian Westinghouse Co., Ltd., Hamilton, Ont.

A LOT OF AIR HERE.
Your Westinghouse Distributor carries a full stock of Westinghouse Air Compressors. You can get fast delivery and expert advice from him.

SCREW DRIVERS, Port. Elec.—cont'd

Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee 8, Wis.
Skilsaw, Inc., 5033 Elston Ave., Chicago 30, Ill. "Ski Drivers."
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle St., New Britain, Conn.
United States Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.

SCREW DRIVERS, Portable Pneumatic

Aro Equipment Co., Bryan, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y.
Cleco Div. of Reed Roller Bit Co., 5125 Clinton Drive, Houston 1, Texas.
Independent Pneumatic Tool Co., 175 State St., Aurora, Ill. "Thor."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio. "Master Power."
Rotor Tool Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "Skil Driver."

SEALERS FOR CASTING REPAIRS, See Cement, Cast Iron

SEALS, OIL & GREASE, See Retainers, Oil and Grease

SEATS, Bus

American Seating Co., 9th St. & Broadway, Grand Rapids, Mich. "Amseco," "Bodiform," "American-Karpen." (Reclining.)
American Wicker Works Co., 1312 Harmon Pl., Minneapolis 3, Minn.
Amesbury Seat Mfg. Co., 200 S. River St., Ypsilanti, Mich.
General Seating Co., 220 Main St., Topton, Pa.
Ionia Mfg. Co., Div. of Mitchell-Bentley Corp., 121 S. Dexter St., Ionia, Mich.
National Seating Co., 167 Park Ave. E., Mansfield, Ohio.
Troy Sunshade Co., Troy, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

SEATS, Truck

(See also Cushions, Seat)

American Seating Co., 9th St. & Broadway, Grand Rapids, Mich. "Tilt-A-Way."
American Wicker Works Co., 1312 Harmon Pl., Minneapolis 3, Minn.
Bostrom Mfg. Co., 133 W. Oregon St., Milwaukee 4, Wis. (Spring suspension.)
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill.
Comfort Cushion Co., 5062 Loraine Ave., Detroit 8, Mich.
General Seating Co., 220 Main St., Topton, Pa.
Ionia Mfg. Co., Div. of Mitchell-Bentley Corp., 121 S. Dexter St., Ionia, Mich.
Milsco Mfg. Co., 2738 N. 33rd St., Milwaukee 45, Wis.
Milsco Mfg. Co., 2758 N. 33rd St., Milwaukee, Wis. (Foam rubber.)
Monroe Auto Equipment Co., 1426 E. First St., Monroe, Mich. (Spring suspension.)
National Seating Co., 167 Park Ave., E., Mansfield, Ohio.
Perma Seating Co., 8800 Kinsman Rd., Cleveland 4, Ohio.
Pneumatic Seat Co., 841 Washington Ave., Rochester 17, N. Y.
Troy Sunshade Co., Troy, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

SEATS, Valve

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa, "Sioux."
Cleveland Graphite Bronze Co., Div. of Clevite Corp., 17000 St. Claire Ave., Cleveland 10, Ohio. (Sole distributors to replacement trade, Clevite Service, Inc., 6545 Carnegie Ave., Cleveland 3, Ohio. "Monocrome." Div. of Clevite Corp.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Eaton Mfg. Co., Saginaw Div., 9771 French Rd., Detroit, Mich.
Haynes Stellite Co. (a div. of Union Carbide & Carbon Corp.), 725 Lindsay St., Kokomo, Ind.
Hub City Iron Co., 218 First Ave., S. W., Aberdeen, S. D.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."
Lee Co., K. O., Congress at First Ave., S. E. Aberdeen, S. D. "Knock Out."
Parts Processing Corp., 1499 E. Michigan Ave., Battle Creek, Mich. "Par-Plus."
Perfect Parts, Inc., 55 Amsterdam Ave., New York 23, N. Y.
Peterson Welding Laboratories, 1423 Virginia St., Kansas City 6, Mo. "P-B." (Screw-in type.)
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio. "Thompson Durachrome."
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. "Chrom-O-Loy," "Toledo." (Cast Iron.)
Wausau Motor Parts Co., 1003 Harrison Blvd., Wausau, Wis. "Chieftain."
Wells, Inc., Martin, 5886 Compton Ave., Los Angeles 1, Calif.
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."

ANNOUNCING

1955 Studebaker Trucks

New sensationally powered Studebaker truck engines...two great V-8s and an Econ-o-miser Six!

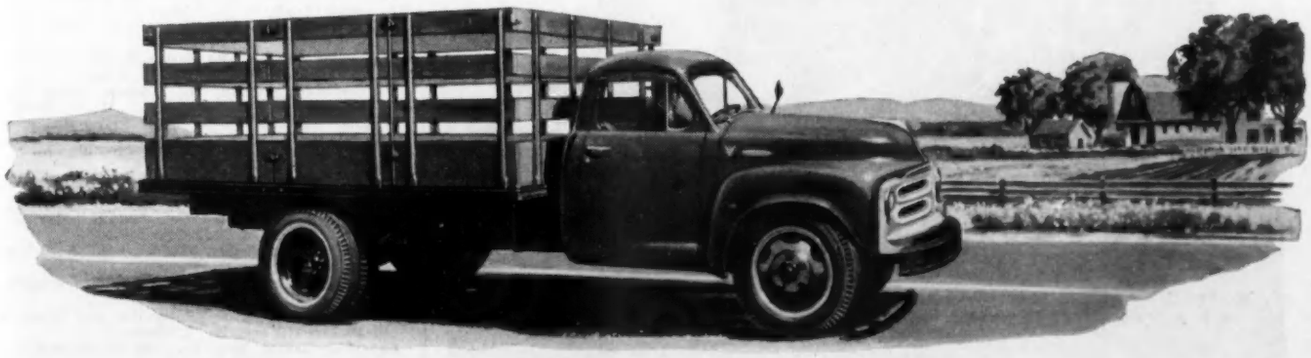
Built by Studebaker-Packard... *world's 4th largest full-line producer of cars and trucks*

NEW STUDEBAKER TRUCKS of sensational new power and matchless new ruggedness! Three great new Studebaker truck engines to choose from—two brilliantly powered V-8s and a sensational Econ-o-miser Six!

New Studebaker trucks for virtually every type of hauling requirement! A comprehensive line of pace-setting Studebaker trucks from half ton pick-ups to husky two ton cargo carriers! Every one of them a stand-out Studebaker gas economy star! Every one built so soundly, it's amazingly inexpensive on upkeep!

The great new Studebaker-Packard alliance is really coming through with terrific new economies for truck users . . . and you get the full force and meaning of the savings you can effect the moment you price the sensational new 1955 Studebaker trucks.

Go to your nearby Studebaker dealer's and see these challenging new truck values right away!



SHAFTS, Power Take-off

Stow Mfg. Co., 443 State St., Binghamton, N. Y.

SHAFTS, Propeller

(Shaft only; for universal joints—see Universal Joints)

Almetal Universal Joint Co., 1553 E. 55th St., Cleveland 3, Ohio.
Blood Bros. Machine Div. Rockwell Spring & Axle Co., Allegan, Mich. (For trucks.)
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg-Warner."
Dittmer Gear & Mfg. Corp., 193 Grand St., Lockport, N. Y.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors to replacement trade, Lempco Automotive Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Mechanics Universal Joint Div., Borg-Warner Corp., 2020 Harrison Ave., Rockford, Ill.
Morse Chain Co., 7601 Central Ave., Detroit 10, Mich. "Morflex."
Neapco Products, Inc., South & Cross Sts., Pottstown, Pa.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Saginaw Steering Gear Div., General Motors Corp., 3900 Holland Rd., Saginaw, Mich.
Spencer Mfg. Co., N. Main St., Spencer, Ohio.
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio.
Steel and Tubes Div., Republic Steel Corp., 224 E. 121st Cleveland 8, Ohio.
U. S. Axle Co., Water St., Pottstown, Pa.
Universal Products Co., 6455 Kingsley Ave., Dearborn, Mich.
Warner Automotive Parts Div., Borg-Warner Corp., S. Wayne St., Auburn, Ind.
York Electric & Machine Co., Loucks Mill Rd., York, Pa. "Built-Well," "Forman." (Sole distributors, Foreman, Inc., 630 Loucks Mill Rd., York, Pa.)

BETTER GOVERNOR PERFORMANCE AT HIGHER ENGINE SPEEDS

FINER CALIBRATION

As the trend toward progressively higher engine speeds became apparent, King-Seeley engineers anticipated the need for finer governor calibration.

The spring loaded calibrating scale was discarded. It was replaced by the "Flow Bench", a development which faithfully duplicates actual governor operating conditions. Manifold vacuum and carburetor venturi vacuum can thus be accurately measured for any governor setting and the setting made precisely.

Today every K.S. Vari-Speed Governor is calibrated at two points—no load and full load.

Allowable variation in governed speed at full load has been reduced 45% and at no load, 60%.

Finer calibration together with certain mechanical improvements have increased the dependability of the K-S Governor and its ability to govern without loss of pick-up or engine efficiency.

KING-SEELEY CORPORATION
ANN ARBOR, MICHIGAN
WORLD'S LARGEST MANUFACTURER OF AUTOMOTIVE GOVERNORS

PLANTS AT ANN ARBOR, SCIO, YPSILANTI

SHAFTS, Transmission

Cleveland Hone & Mfg. Co., 8816 Harkness Rd., Cleveland 6, Ohio.

SHEARS, Portable Electric

Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Jefferson Engrg. & Mfg. Co., 269 Walker St., Detroit 7, Mich.
Skil Corp., 5033 Elston Ave., Chicago 30, Ill. "SkilShear."
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn. "Stanley Unishear."

SHIMS, Axle Caster

Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa. (Bronze.)
Jibo Tool Co., 139 N. Meade St., Wichita 2, Kan.
Kwik-Ezee, Inc., 17-23 W. 60th St., New York 23, N. Y.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Manbee Equip. Div., Bear Mfg. Co., 185 N Wabash Ave., Chicago 1, Ill.
Merrill Engrg. Laboratories, 1230 Lincoln St., Denver 3, Colo.
Morgan Wheel & Equipment Co., 2007 St. Mary's Ave., Omaha 2, Neb.
Perfect Equipment Corp., 804 W. Morgan St., Kokomo, Ind., "Excel."
Turner Mfg. Co., 404 W. Superior St., Kokomo 2, Ind. "D & T."
Vanco Products, Inc., 15330 Brookpark Rd., Cleveland 11, Ohio.

SHIMS, Bearing Adjusting

Perfect Circle Corp., Hagerstown, Ind.

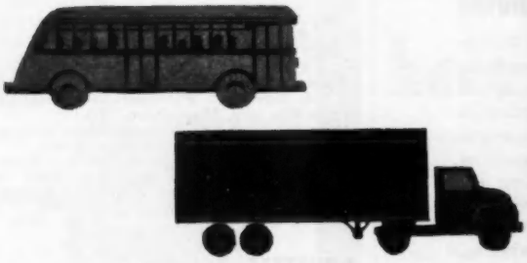
SHIMS, Brake Lining

Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Atlas Asbestos Co., North Wales, Pa.
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Fibre.)
Colt's Mfg. Co., 17 Van Dyke Ave., Hartford 15 Conn. "Coltrock." (Molded.)
Gatke Corp., 228 N. La Salle St., Chicago 1, Ill.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
National Brake Block Corp., 79 Madison Ave., New York, N. Y. "Arco."
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford, Conn.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2 Mich. "R/M."
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

SHIMS, Brass and Copper

Acme Mfg. & Gasket Co., 733 N. 41st St., Philadelphia 4, Pa.
Detroit Stamping Co., 357 Midland Ave., Detroit 3, Mich. "De-Sta-Co."
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Gasket, Packing & Specialty Co., 3-5 Waverly Pl., New York, N. Y. (Brass.)
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.

"give your drivers a good brake!"



Safe stops with today's increased speed, power and congested traffic conditions call for Thermoid Brake Blocks or Thermoid Heavy Duty Brake Linings.

Compounded under Thermoid's exclusive Dry Mix Process, originally developed for heavy duty amphibious military vehicles, Thermoid Brake Blocks and HD Linings meet the most rigid stopping tests, regardless of weather conditions or operating temperatures.

Thermoid

the standard of precision processing in brake lining, brake blocks, hydraulic fluid, cylinder assemblies, hydraulic brake parts.

Thermoid Company • Trenton, New Jersey

SHIMS, Brass and Copper—cont'd

Kickhaefer Mfg. Co., 901-903 S. Second St., Milwaukee 4, Wis.

Konigslow Mfg. Co., Otto, 3600 Perkins Ave., Cleveland, Ohio.

Laminated Shim Co., 62 Union St., Glenbrook, Conn.

McCord Corp., Riopelle at E. Grand Blvd., Detroit 11, Mich.

National Motor Bearing Co., Redwood City, Cal. (Brass.)

Rotax Mfg. Co., 175 Ridge St., Newark 4, N. J. (Brass stock.)

United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.

Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. (Brass.)

Whitehead Stamping Co., 1661 W. Lafayette Blvd., Detroit 16, Mich.

Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.

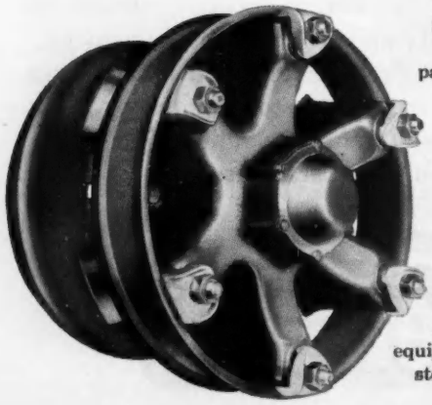
SHIMS, Laminated

Blaisdell Mfg. Co., 1350 Coronado Ave., Long Beach 4, Calif. "Feathered." (Bearing.)

Federal-Mogul Corp., 11031 Sheomaker Rd., Detroit 13, Mich.

HOMAN STEEL WHEELS STRONG AS AN OX...

yet weigh less than most ordinary steel wheels



Steel wheels must be *worth their weight* in terms of strength vs. payload. Homan steel wheels are trimmed down to the optimum point . . . where all necessary strength and ruggedness is retained while keeping unsprung weight to a minimum, at the same time keeping rim-bearing surface to a maximum. Homan six-spoke steel wheels are built to stay on the road longer and permit extra payloads . . . two good reasons for equipping your trailers with Homan steel wheels. Available with either 6-inch or 7-inch brake drums. Write for complete details today.

For Fast, Dependable Service Ship By Truck Trailer

HOMAN AND COMPANY, INC.
CINCINNATI 15, OHIO
Established 1847

Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.

Laminated Shim Co., 62 Union St., Glenbrook, Conn. "Laminum," "Fit-All." (Brass and Steel.)

National Motor Bearing Co., Redwood City, Cal.

Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.

SHIMS, Steel

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.

Allmetal Screw Products Co., 821 Stewart Ave., Garden City, N. Y. (Stainless.)

Champ-Items, Inc., 6191 Maple Ave., St. Louis 14, Mo. (Rear axle end play.)

Detroit Stamping Co., 357 Midland Ave., Detroit 3, Mich. "De-Sta-Co."

Gasket, Packing & Specialty Co., 3-5 Waverly Pl., New York 3, N. Y.

Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."

Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.

Konigslow Mfg. Co., Otto, 3600 Perkins Ave., Cleveland 14, Ohio.

Laminated Shim Co., 6208 Union St., Glenbrook, Conn.

National Motor Bearing Co., Redwood City, Cal.

United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.

Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill.

SHOCK ABSORBERS

Briggs Shock Absorber Co., 1148 Euclid Ave., Cleveland, Ohio. (Friction hydraulic.)

Delco Products Div., General Motors Corp., 329 E. First St., Dayton, Ohio. (Hydraulic.)

Gabriel Co., 1148 Euclid Ave., Cleveland 15, Ohio.

Heckethorn Mfg. & Supply Co., Littleton, Colo. "Columbus." (Licensees.)

Houdaille-Hershey Corp., Buffalo Div., 537 E. Delavan Ave., Buffalo 11, N. Y. "Houdaille." (Hydraulic.)

Monroe Auto Equipment Co., 1426 E. First St., Monroe, Mich. (Hydraulic.)

Rowland, Inc., William & Harvey, 1414 Fairmount Ave., Philadelphia 30, Pa. (Hydraulic.)

Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio. (Hydraulic.)

SHOCK ABSORBER FLUID, See Fluid, Hyd. Brake & Shock Absorber

SHOES, Brake

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. (Lined.)

Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.

Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.

National Vulcanized Fibre Co., Maryland Ave., & Beech St., Wilmington 99, Del. (Fibre.)

Pick Mfg. Co., West Bend, Wis.

Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford, Conn.

Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."

Triplewear, Inc., 533 40th St., Union City, N. J. "Triplebond."

SHUTTERS, Radiator

(See also Covers, Radiator)

Brewer-Titchener Corp., 115 Pt. Watson St., Cortland, N. Y. "Moto-Gard."

Cadillac Mfg. Co., 175 Race St., Coldwater, Mich.

Hardy Mfg. Corp., W. Pearl St., Union City, Ind.

Kysor Heater Co., Haynes St., Cadillac, Mich.

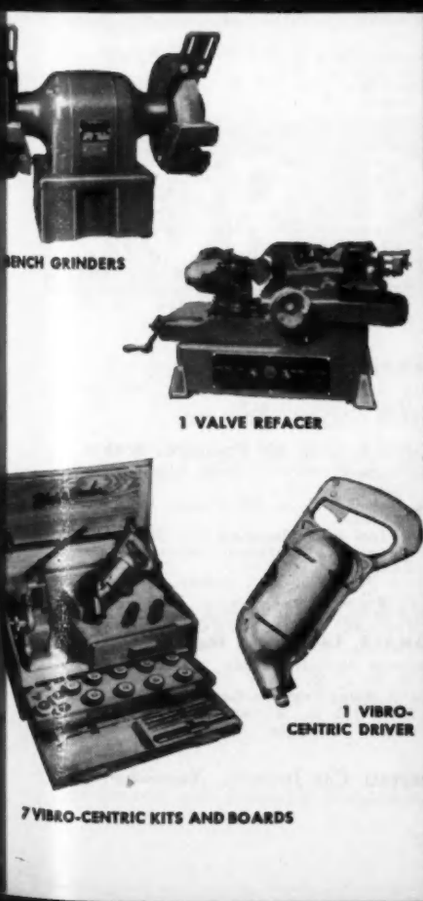
Minneapolis-Honeywell Regulator Co., Transportation Div., 2747 Fourth Ave. S., Minneapolis 8, Minn.

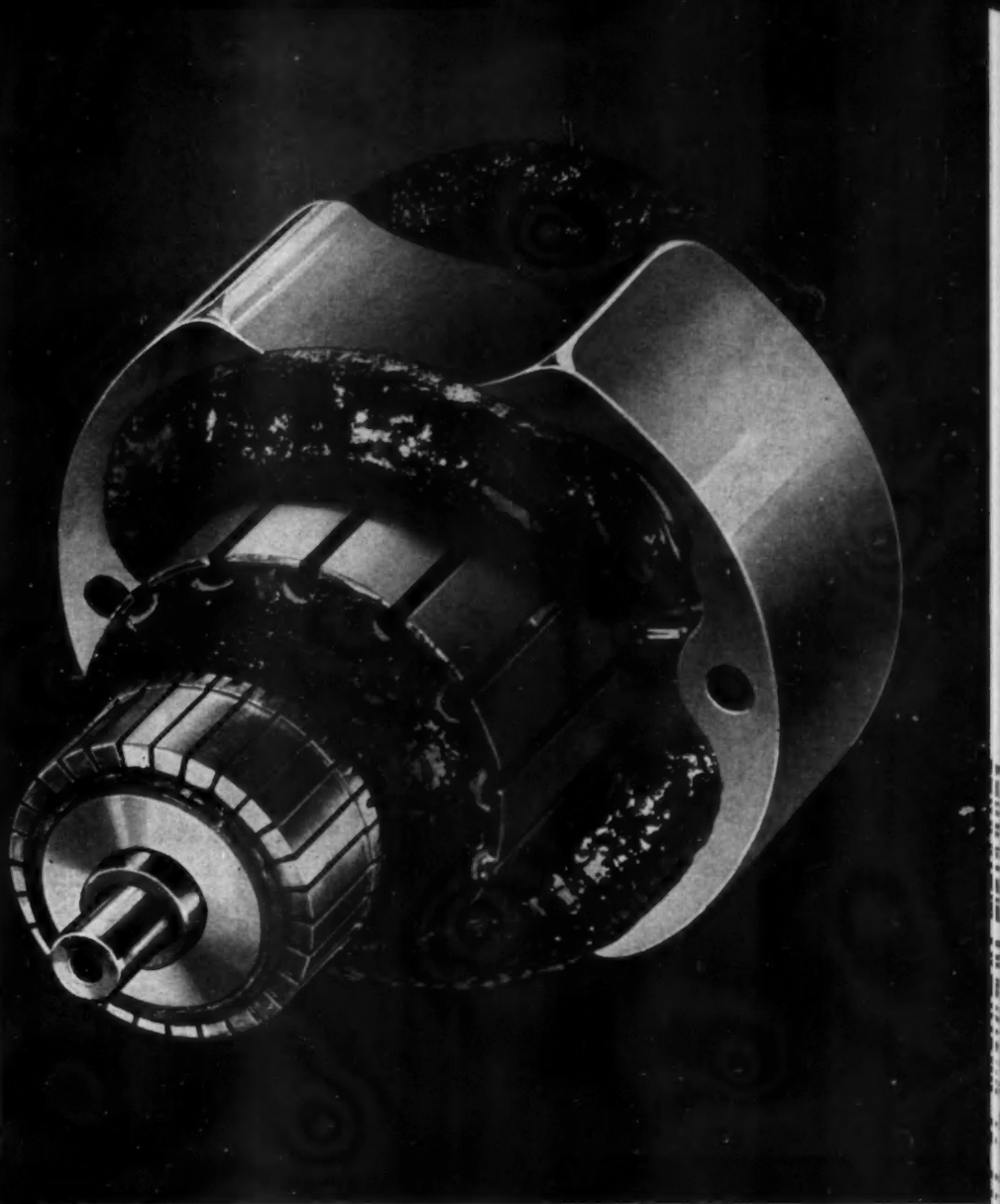
SIGNALS, Direction Indicating

American Automatic Devices Co., 500 S. Throop St., Chicago 7, Ill.

Anthes Force Oiler Co., Ft. Madison, Iowa. (Truck.)

Arrow Safety Device Co., Mt. Holly, N. J. (Also flashing stop lights.)





When we say Black & Decker Tools have *GUTS* —here's why:

It's the *power plant*—heart of every Black & Decker Portable Electric Tool! Every B&D motor is designed and built specifically *for each tool and the job it does!* When we say these tools have *guts*, we're talking about B&D-built motors that can take it, that stand up whether your job is drilling, grinding, sanding, polishing, valve refacing, valve seat grinding or shearing metal.

Here are the compact, lightweight, tough Universal-type motors built specifically to supply ample torque at most efficient spindle speeds . . . to deliver the kind of results you have a right to expect from every Black & Decker tool! And, B&D offers you a complete range of over a hundred tools for all your fleet maintenance jobs and every automotive shop operation. For a demonstration, see your B&D distributor, or write: THE BLACK & DECKER MFG. CO., Dept. 3911, Towson 4, Maryland.

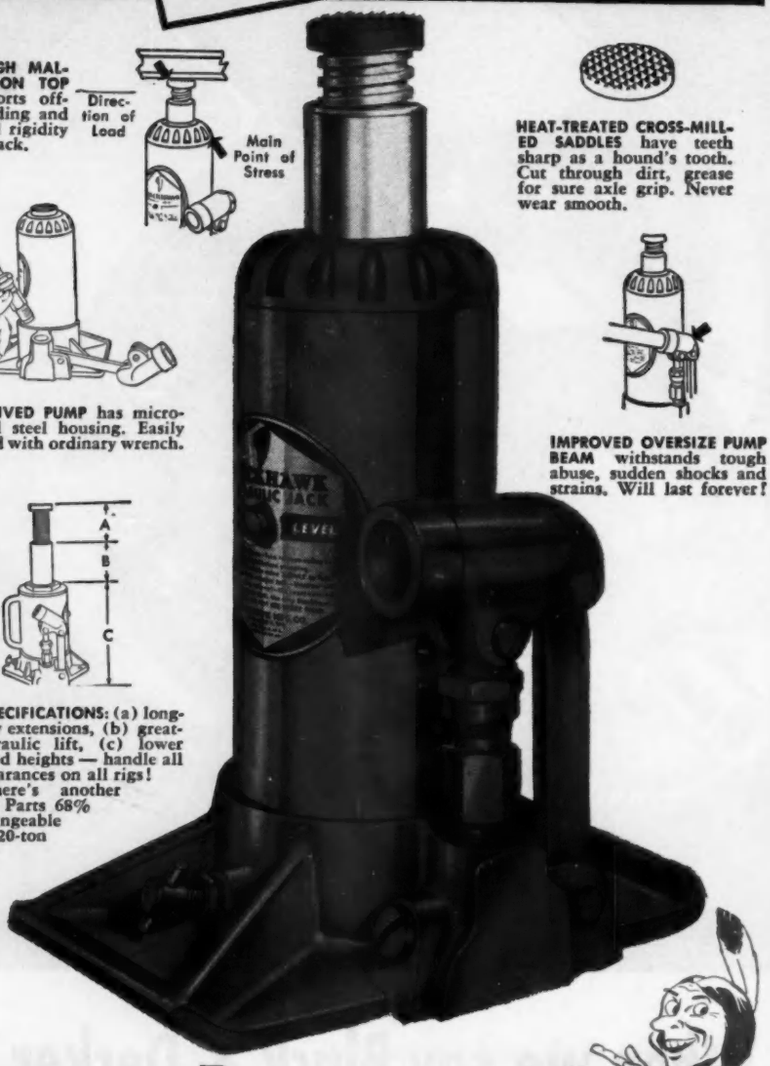
LEADING DISTRIBUTORS EVERYWHERE SELL

For nearest distributor, see "Tools-Electric"

Black & Decker

PORTABLE ELECTRIC TOOLS

New G.V.W. design



Outlives the truck it lifts!

Only Blackhawk jacks are tagged with the "Service Proved Seal"

YOU'LL cut your jack costs by standardizing on Blackhawk jacks. That's because the New G.V.W. design gives you MORE exclusive features . . . MORE stamina . . . MORE performance and *much longer life*. Whatever the rig and its G.V.W. (gross vehicle weight), you get the right capacity for today's greater lifting spans and broader range of hydraulic jack applications. No special high-range jacks to buy. There's no need to block up or unload. Order from your Blackhawk Jobber. A product of Blackhawk Mfg. Co., Dept. J-11114, Milwaukee 1, Wis.

BLACKHAWK

SIGNALS

SIGNALS, Direction Indicating—cont'd

Auto Lamp Mfg. Co., 2909 S. Indiana Ave., Chicago 16, Ill. "Pathfinder."
Betts Machine Co., 1800 Pennsylvania Ave. W., Warren, Ohio.
Bolser Corp., S. Main St., Cedar Falls, Iowa. (For trucks.)
Carlton Lamp Co., 736 S. 13th St., Newark 3, N. J.
Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio.
Delbar Products, Inc., 74 Spruce St., Perkasie, Pa.
Dietz Co., R. E., 225 Wilkinson St., Syracuse 1, N. Y.
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Do-Ray Turn-Lite."
Edward's Air Hose Bracket Co., P. O. Box 860, Sapulpa, Okla.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa. "Keystone."
Electroline Mfg. Co., 2622 E. 51st St., Cleveland 4, Ohio.
Griffin Lamp Co., 401 S. Third St., Hamiton, Ohio. "Premier XX." (Also conversion kits.)
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky. (Also combination stop, tail and license brackets.)
Guide Lamp Div. General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Hall Lamp Co., C. M., 1035 E. Hancock Ave., Detroit, Mich. "Solar."
Industrial Scientific Co., P. O. Box 494, Fresno 9, Calif. "Indusco-Lite." (Semaphore type for trucks.)
K-D Lamp Co., 1910 Elm St., Cincinnati, 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Miro-Flex Co., 1824 E. 2 St., Wichita 7, Kan.
Parker Products, Inc., 1415 Washington Ave. S., Minneapolis 4, Minn. "Parker Direct-A-Lite."
Rayl Mfg. Co., 1501 37th Ave., Oakland 1, Calif. (Semaphores.)
Ring-Wald Products, 123 N. Lowry Ave., Springfield, Ohio. (Stop semaphores, for school buses.)
S. & M. Lamp Co., 119 W. 36th Pl., Los Angeles 54, Calif.
Saginaw Steering Gear Div., General Motors Corp., 3900 Holland Rd., Saginaw, Mich.
Signal-Stat Corp., Signal-Stat Bldg., 523-39 Kent Rd., Brooklyn 11, N. Y. (Bus and truck.)
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich. (Also stop lights and combination stop and tail and conversion kits.)
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis.
Trippe Mfg. Co., 218 N. Jefferson St., Chicago 6, Ill.
Turnsignal Corp., 2720 W. Susquehanna Ave., Philadelphia 21, Pa. (Truck.)
United Motor Service, General Motors Bldg., Detroit 2, Mich.
U. S. Metal Products Co., 1045 Atlantic Ave., Brooklyn 38, N. Y. "U. S. Pioneer."
Vac-O-Lite Signal Co., 4680 Rubidoux Ave., Riverside, Calif. (Semaphores for trucks and trailers.)
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. "Yankee Jr." truck; "Turnmaster" auto; also conversion units for converting parking and tail lights into flashing signals.

SIGNALS, Gasoline Tank

Scully Signal Co., 174 Green St., Melrose 76, Mass. "Ventalarm."

SIGNALS, Low Air Pressure, Brakes

Berg Safe-Air Corp., 18 E. Eighteenth St., Chicago 16, Ill.
Cole Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Hawk Tool & Engineering Co., 20 W. Washington St., Clarkston, Mich., "Pressure-Clix."
Monroe Standard, Inc., Galion, Ohio, "Wig-Wag." (Visual.)

SIGNALS, Low Brake Fluid

Arlington Industries, Inc., 79 Jefferson St., N. Y. 4, N. Y.
General Metal Products Corp., Moore-Eastwood Div., 171 S. Mulberry St., Wilmington, Ohio. "Eversafe."

FOR POWER

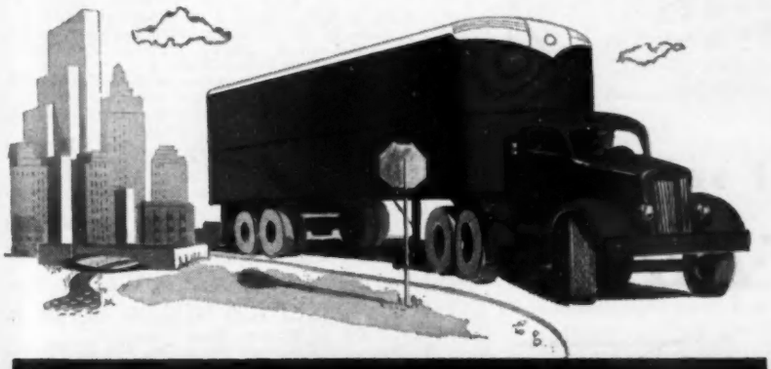
CHROME CONTROL

LEAK-PROOF

REG. U. S. PAT. OFF.

PISTON RINGS

This set will outperform any other piston ring set in the "hard-to-hold" jobs regardless of kind, design or price.



FOR PROFIT

To make a profit you've got to keep your trucks on the road and out of the repair shop. That calls for *dependable* McQuay-Norris parts. They're built to *last!*

McQUAY-NORRIS MANUFACTURING COMPANY TIME TESTED McQUAY NORRIS AUTO PARTS PROVEN IN SERVICE **ST. LOUIS 10, MO.**

SIGNALS, Low Water Temperature
(Protection against overheating)

Hawk Tool & Engineering Co., 20 W. Washington St., Clarkston, Mich. "Thermo-Clix." (Sole distributors, Nason Co., 20 W. Washington St., Clarkston, Mich.)
Kysor Heater Co., Haynes St., Cadillac, Mich. "Kysor Alarmstat."
Moto-Gard Co., 1104 W. Cabarrus St., Raleigh, N. C. (Also stops engine.)
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y. "Tellite."

SIRENS, HORN, See Horn Sirens

SIX WHEEL ATTACHMENTS, See Axle Units, Third, for Trucks

SLEEPER CABS, See Cabs, Truck Body

SLEEVES, Cylinder

Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
American Hammered Automotive Replacement Division, 2001 Sanford St., Muskegon, Mich.
Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich. (Centrifugally cast.)
Centrifugal Foundry Co., 1367 W. Sherman Blvd., Muskegon, Mich.
Dura-Bond Bearing Co., 715 Loma Verde Ave., Palo Alto, Calif.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Frank Foundries Corp., 2020 Third St., Moline, Ill. "Frankite."
Hub City Iron Co., 218 First Ave., S.W., Aberdeen, S. D.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 20, Mo.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Nylen Products, Inc., Lake Shore Drive, St. Joseph, Mich.
Ohio Piston Co., 5340 Hamilton Ave., Cleveland 14, Ohio.
Shenango-Penn Mold Co., Dover, Ohio.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio. (Wet and dry assemblies.)
Versnick Mfg. Co., 4700 E. Nevada St., Detroit 34, Mich. (Dry type.)
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wisconsin Machinery & Mfg. Co., S. 60th St. & Beloit Rd., Milwaukee 14, Wis.

SLUDGE REMOVING COMPOUNDS, CRANKCASE, See Compounds, Crankcase Sludge Removing

SNOW PLOWS
(See also Trucks, Diesel & Trucks, Gasoline)

Badger Machine Co., 1124 W. 5th St., Winona, Minn.
Baker Mfg. Co., 571 Stanford Ave., Springfield, Ill.
Bros., Wm., Boiler & Mfg. Co., 1057 10th Ave., S. E., Minneapolis 14, Minn. "Sno-Flyr."
Burch Corp., Thoman St., Crestline, Ohio.
Davenport-Besler Corp., 2305 Rockingham Rd., Davenport, Iowa. "Frink Sno-Plows." (Western United States.)
Donnell Hydraulic Co., Garden Prairie, Ill. (Hydraulic conversion unit.)
Four Wheel Drive Auto Company, E. 12th St., Clintonville, Wis. "FWD."
Frink Sno-Plows, Inc., Clayton, Thousand Islands, N. Y. (Eastern United States.)
Good Roads Machinery Corp., Minerva, Ohio.
Gravely Motor Plow & Cultivator Co., Dunbar, W. Va.
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio. "Hitco."
Klauer Mfg. Co., Dubuque, Iowa. "Snogo." (Rotary.)
National Lift Co., 225 Madison St., Waukesha, Wis. "Snowlift."
New England Road Machinery Co., 801 E. 6th St., Boston, Mass. "Nermco."
Northwestern Auto Parts Co., 834 N. 7th St., Minneapolis, Minn. "Napco." (For Willys Jeeps and light trucks.)
Root Spring Scraper Co., 527 W. North St., Kalamazoo 11, Mich.
Truck Engrg. Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat."
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, L. I., N. Y.
Wausau Iron Works, Wausau, Wis.

SOAPS, CAR WASHING, See Detergents

SOLDERS (Advertisers Only)

Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich.
Kester Solder Co., 4201 Wrightwood Ave., Chicago 39, Ill. (Acid-core, body, radiator flux core.)
Federated Metals Div., American Smelting & Refining Co., 120 Broadway, N. Y. 5, N. Y. (Bar, body, acid core, rosin core.)

SOLDERS, Body

Hollingshead Corp., R. M., Camden 2, N. J. "Met-L-it." (Cold process repair compound and material.)
Minnesota Mining & Mfg. Co., 791 Forest St., St. Paul, Minn.

SOLVENTS, Ice

Cristy Chemical Corp., 21 Putnam St., Worcester 4, Mass. (Ice preventing on windshield.)
Normandy Chemical Corp., 9th & Western, Muskegon, Mich. "Salf."

OUT OUR WAY

Best value—best seller!

SOL·SPEEDI·DRI

For keeping garage floors spanking clean — absolutely slip-proof — Sol-Speedi-Dri is way ahead of other granular oil and grease absorbents. Proof? Automotive users buy more of it than any similar product. And here's why . . . it spreads fast, covers plenty of ground, "dry-cleans" thoroughly. Consistent high quality is insured by careful laboratory controls. Why not try it yourself? Send coupon today for free sample.

Warehouse stocks maintained in principal cities of the United States and Canada.

•

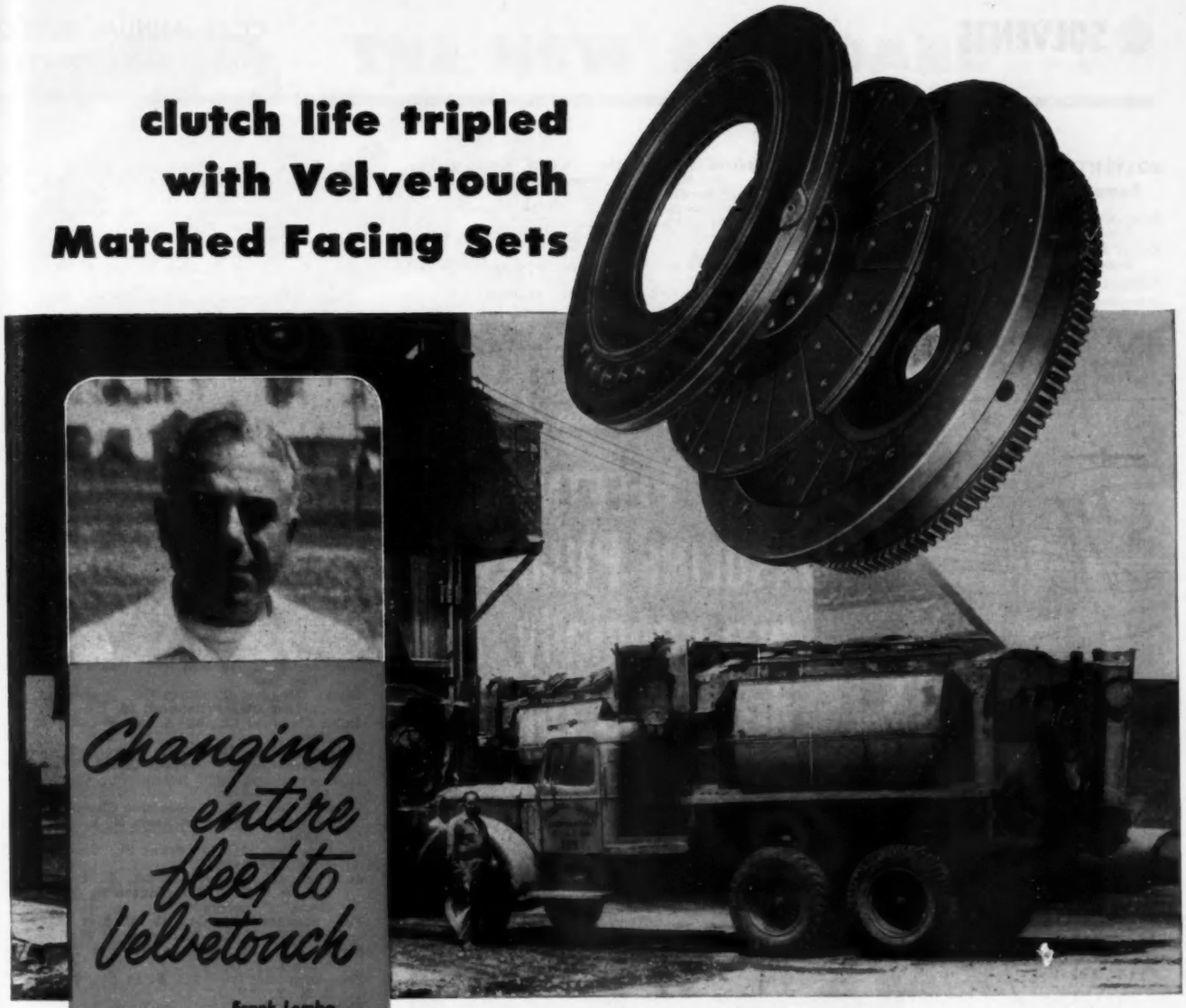
Inquirers in New York, New England, and New Jersey should write to Speedi-Dri Corp. Elsewhere in U.S. to Waverly Petroleum Products Co., 1724 Chestnut St., Phila. 3, Pa. In Canada, G. H. Wood & Company Ltd., Toronto. Branches throughout Canada.

SPEEDI-DRI CORP.
210 W. Washington Sq., Phila. 5, Pa.

FREE SAMPLE:
Fill out the coupon and mail today for free sample and literature.

Name _____
Address _____
City _____ *State* _____
CCJ-11/54

clutch life tripled with Velvetouch Matched Facing Sets



Hauling ready-mixed concrete is a tough job. Because deliveries must dovetail with rigid construction schedules, despite frequent operation under extremely difficult weather and road conditions. Dependable clutch operation, as a result, is mighty important.

That's why Frank H. Lembo, Vice President of the Rental Mixer Corporation of New Jersey, writes . . . "our clutch life has tripled on the first six conversions (to Velvetouch Matched Facing Sets). We feel justified on this performance to change our entire fleet to Velvetouch."

Let us prove that Velvetouch all-metal Matched Facing Sets will do the same for you. Write for facts today.

See us at the A.S.I. SHOW

Booths C-316, 318, 320 and 322
December 8 - 10
Navy Pier . . . . . Chicago

Velvetouch

THE S. K. WELLMAN CO.
200 Egbert Rd. • Bedford, Ohio

SOLVENTS, Oil, Carbon and Grease Removing

Acme Quality Paints, Inc., 8250 St. Aubin Ave., Detroit 11, Mich. "Acme Klix."

Aeroil Products Co., Wesley St. South, Hackensack, N. J. "Aeroil Auto-Solv."

Allube Corp., 928 Allen Ave., Glendale 1, Calif.

Atomized Materials Co., 202 Arrott Bldg., Pittsburgh 22, Pa. "Kwik-Solv."

Barr & Co., W. M., 2336 S. Lauderdale St., Memphis 6, Tenn. (Sole distributors, Klean Strip Co., Box 3565, Memphis 6, Tenn.)

Bendix Products Div., Bendix Aviation Corp., 401 N. Bendix Drive., South Bend 20, Ind. "Bendix Metalclean."

Blakeslee & Co., G. S., 1844 S. Laramie Ave., Cicero 50, Ill. "Blacosolv."

Briggs Mfg. Co., 3675 E. Outer Drive, Detroit 34, Mich. "Klean Spot."

Bruce Products Corp., 500 N. West St., Howell, Mich.

Brulin & Co., Inc., 2939 Columbia Ave., Indianapolis, Ind. "Multisol" & "Brulinsolv."

Buchanan Chemical Co., C. G., 4640 Baker Rd., Cincinnati 12, Ohio. "Byr-Ma-Co."

Cannon Chemical Co., 181 Portland St., Cambridge 41, Mass. "Sludgebuster."

Engineered for Efficiency

Companion to the rugged, standard Bennett retail service station pumps, and specially designed for fleet operation, Fleetmeter pumps speed truck re-fueling and step-up fleet service operations for maximum efficiency and economy. Fast, accurate delivery, easy hose handling and dependable performance are combined for longest pump life and least service attention. Standard models indicate delivery on a register.

Automatically Printed Receipts

Ticket Printer models provide an automatically printed record of each delivery for inventory control and protection against errors and losses.

Write for details

JOHN WOOD COMPANY

Bennett Pump Division

Muskegon, Michigan • Toronto, Ontario

Offices in Principal Cities

Carbide & Carbon Chemicals Co. (a Div. of Union Carbide & Carbon Corp.), 30 E. 42nd St., New York 17, N. Y. "Cellosolve."

Castor Oil Products, Inc., 145 Alexander St., Yonkers 2, N. Y. "Trizol."

Cee-Bee Chemical Co., 9520 E. Ceebee Drive, Downey, Calif. "Samson."

Celco Corp., 110 E. 42nd St., N. Y. 17, N. Y. "Celco Tank-Kleen."

Champion Products, Inc., P. O. Box 291, Stephenville, Tex.

Circo Equipment Co., 120 Central Ave., Clark Township (Rahway), N. J. "Circoed," "Circo-Solv," "Dee-Solv," "Per-Solv" & "Midsolv."

Cities Service Oil Co. (Pa.), 60 Wall Tower, New York 5, N. Y. "Cisco," "Solvent 26A."

Clayton Mfg. Co., 401 N. Temple Bldg., El Monte, Calif. "Kerrick Kermulso."

Colonial Alloys Co., Ridge Ave. & Crawford St., Philadelphia 29, Pa. "Cyclodiene," "Percyclodiene," "Dicyclodiene," "Tricyclodiene," "Polydiene," "Tetradiene," "Trisolvadiene."

Commercial Solvents Corp., 260 Madison Ave., New York 16, N. Y.

Continental Laboratories, Inc., 4727 N.E. Prescott St., Portland, Ore.

Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."

Crystal Soap & Chemical Co., 6300 State Rd., Philadelphia 35, Pa.

Curran Corp., S. Canal St., Lawrence, Mass. "Gunk," "Motor Purge."

Currier Corp., 710-73rd Ave., Oakland 4, Calif. "Dee Tee."

Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa.

Delta Chemical Co., 682 S. Cox St., Memphis 1, Tenn.

Detrex Corp., Box 501, Detroit 32, Mich. "Drex-Foam," "Perm-A-Clor," "Triad."

Diversey Corp., 1820 Roscoe St., Chicago 13, Ill.

Drew & Co., F. F., Automotive Chemicals Div., 15 E. 26th St., New York, N. Y. "Ameroid Dusol."

Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio. "Actusol."

du Pont de Nemours & Co., E. I., Electrochemicals Dept., Wilmington 98, Del. "Perclene," "Triclene."

Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y. "Solvesso," "Varsol."

Ewing Mfg. Co., 2545 N.W. 10th St., Oklahoma City, Okla.

Fine Organics, Inc., 211 E. 19 St., New York 3, N. Y. "F O."

Fisher Industries, Inc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio. "CAB-66," "No. 85," "Zolvolene."

Gerlach Co., A. E., P. O. Box 133, Eddington, Bucks County, Pa. "60 Cleaner," "Soax," "Jelzine."

Glisten Co., 13 Barnard St., Hillsdale, Mich.

Gray-Mills Corp., 3705 N. Lincoln Ave., Chicago 13, Ill.

Gunk Chicago Co., 630 N. Harlem Ave., River Forest, Ill.

Harley Soap Co., Pierce & Orthodox Sts., Philadelphia 37, Pa. "Harco."

Hollingshead Co., R. M., 840 Cooper St., Camden, N. J. "Whiz Dip-Zoff," "Whiz Ho-Zof." (For garage use.)

Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Road, Coraopolis, Pa. "Hypressure Jenny."

Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industrosolv."

Jarrett Co., Cecil H., Mt. Olive Rd., Newton, N. C.

Kelite Products, Inc., Box 2917 Terminal Annex, Los Angeles 54, Calif.

Kleer-Flo Co., 250 W. 57th St., New York 19, N. Y.

Klem Chemicals, Inc., 14401 Lanson St., Dearborn, Mich.

Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Magnus," "Magnusol."

Magnuson Products Corp., 50 Court St., Brooklyn, N. Y. "Permag."

Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. "Imperial Wash-er Clean."

Mitchell-Bradford Chemical Co., 2446 Main St., Stratford, Conn. "Black Magic."

Oakite Products, Inc., 19 Rector St., New York 6, N. Y.

Octagon Process, Inc., 15 Bank St., Staten Island 1, N. Y. (Octastrip.)

Park Chemical Co., Military & Vancouver Aves., Detroit 4, Mich. "Parko."

Penetone Co., 74 Hudson Ave., Tennafly, N. J. "Major."

Pennsylvania Refining Co., Gumont Div., 2686 Lisbon Rd., Cleveland 4, Ohio. "Penn Drake Gumont."

THE NEW STANDARD...

Prior SAFETY TANKS

MONEY SAVERS... WEIGHT SAVERS...

This latest addition to the Prior Safety Tank line is the engineered answer to the need for a money saving, weight saving, payload increasing safety tank.

Through the use of lighter weight metal 20% weight savings have been achieved over tanks of similar capacity.

The new Prior "Standard" Safety Tanks, like every tank in the Prior line, are manufactured in accordance with requirements for Automotive Safety Fuel Tanks and have been approved by **Underwriters' Laboratories, Inc.** under Label Service . . . meet all fuel system requirements of **I.C.C.** covering safety of operation and equipment.

Get the facts and you will agree . . . the new "Standard" will soon be the standard of quality and savings for the industry.

PAIRS

Furnished in 3 capacities . . . 80, 100, 120 gallons without tool box or in sets, complete with tool box. Simple installation by mounting directly to frame.

SINGLE

Furnished in either standard or end fill construction. 22" diameter tanks in 28", 34" and 40" lengths . . . gallon capacities 40, 50 and 60 and net weights of 70 lbs., 80 lbs. and 90 lbs. Can be used as singles or in pairs to eliminate angle iron mounting.

PRIOR PRODUCTS, Inc.
P. O. BOX 7608
P. O. BOX 349
DALLAS, TEXAS
MIDDLETOWN, OHIO

SOLVENTS, Oil, Carbon and Grease Removing—*continued*

Pennsylvania Salt Mfg. Co., 456 Widener Bldg., Philadelphia 7, Pa. "Pennsalt," "Pennsorb."

Permo Products Co., 1629 Platte St., Denver 2, Colo.

Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Sileo."

Philadelphia Quartz Co., 1146 Public Ledger Bldg., 6th & Chestnut Sts., Phila. 6, Pa. "Wetsco 66."

Phillips Mfg. Co., 3475 Toughy Ave., Chicago 45, Ill. "Phillsolv."

Quick Charge, Inc., 1750 N.E. Tenth St., Oklahoma City 4, Okla. "Quick-So."

Ramsey Corp., 3693 Forest Park Blvd., St. Louis 8, Mo.

Service Industries, 2103 E. Somerset St., Philadelphia 34, Pa.

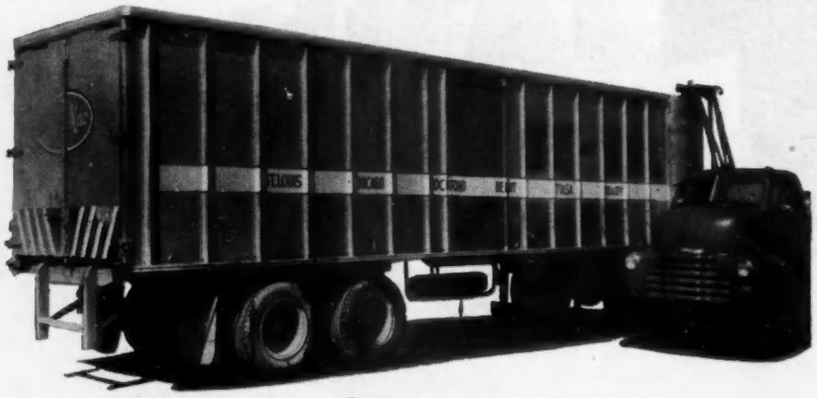
Service Supply Co., 1115 Seventh St., Denver 2, Colo. "Solvo," "D-Greaso."

Shaler Co., Waupun, Wis.

Shell Oil Co., 50 W. 50th St., New York 20, N. Y.

Stain-Ox Co., 625 E. First Ave., Roselle, N. J. (Oil and grease.)

Standard Oil Co. of Calif., 225 Bush St., San Francisco 20, Calif. "Calco."



Now you can have

BRIGHT, CLEAN TRAILERS

at *Less Cost*

than ever before with a

ST. LOUIS TRAILER WASHER

At last, a fast low-cost way to keep your trailers attractive and free from harmful road dirt. An old tractor, too worn for payloads, can carry the St. Louis Trailer Washer. Only four bolts are required to mount it. Even hard-to-wash, exposed-post trailers are cleaned in 5 to 10 minutes.

Here are some important Liekweg advantages:

PORTABLE—use anywhere . . . no loss of valuable space.

ENCLOSED CAB—operator can't get wet.

WASHES BACK—as easily as trailer sides.

RETRACTABLE BRUSH CARRIAGE—to meet legal requirements on width.

REVERSIBLE BRUSH—for exposed-post trailers.

Write today for complete information to:

LAWRENCE LIEKWEG Company

2601 Belt Ave., St. Louis 12, Missouri

Stanley Co., John T., 642 W. 30th St., New York, N. Y. "Mobo."

Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.

Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.

Turco Products, Inc., 6185 S. Central Ave., Los Angeles, Calif. "Turco Penetrol," "Turco Mulsine," "Turco Transpo," "Ferrex."

U. S. Chemical & Supply Co., 918 E. Fifth St., Kansas City 6, Mo. "Z-L."

Virginia-Carolina Chemical Corp., 401 E. Main St., Richmond, Va. "V-C Jet," "V-C Quick," "V-C Tuff" & "V-C Zip."

Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

Watts-Wagner Co., 113 Frelinghuysen Ave., Newark 5, N. J.

Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich.

SPACERS, Wheel

Lambert, Inc., Ansonia, Ohio. (Dual.)

SPARK PLUG CLEANERS, See Cleaners, Spark Plug

SPARK PLUGS

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.

Auburn Spark Plug Co., York St., Auburn, N. Y.

B. G. Corp., 136 W. 52nd St., N. Y. 19, N. Y.

Blue Crown Spark Plug Co., Div. of Motor Master Products Corp., 1800 Winnemac Ave., Chicago 40, Ill. "X-Citer."

Bowers Battery & Spark Plug Co., Reading, Pa.

Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.

Champion Spark Plug Co., 904 Upton Ave., Toledo 1, Ohio.

Defiance Spark Plug Corp., 323 20th St., Toledo, Ohio.

Doering Mfg. Corp., A. L., 99 Seacrest Ave., Eltingville, S. I. 12, N. Y. "Aldor," "Doering."

Doran, Inc., James A., 36 W. Exchange Pl., Providence 3, R. I.

Electric Auto-Lite Co., Spark Plug Div., Fostoria, Ohio.

Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.

Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.

Hastings Mfg. Co., 375 E. Mill St., Hastings, Mich.

Leonard Spark Plug Co., 148 Summit St., Newark 4, N. J. "Atomic-Flash" (Shielded.)

Loreman Automotive Products, Moore & Division Sts., Salisbury, Md.

Luthy Co., F. A., 302 Cooper St., Jackson, Mich. "Flint," "Luthy."

Powercraft Corp., 2502 S. Wabash Ave., Chicago, Ill. "Majestic." (Sole distributors, Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.)

Reflex Products Co., 10904 Madison Ave., Cleveland 2, Ohio.

Stitt Ignition Co., 86 E. First Ave., Columbus 1, Ohio.

Thomas Automotive Products Mfg. Co., Rockford, Ill.

Trojan Products Co., N. Union St., Galion, Ohio. "Alvo," "Gold Bond," "Invader," "Power," "Trojan," "Gold Medal," "United," "National," "Karlife," "Motor King," "Pharis."

Tungsten Spark Plug Mfg., Tungsten Bldg., 1716 S. Michigan Ave., Chicago 16, Ill.

SPEEDOMETERS

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.

Electric Auto-Lite Co., Instrument Div., La-Crosse, Wis.

Jones-Motorola Corp., 432 Fairfield Ave., Stamford, Conn. (For fire engines, trucks, racing cars, etc.)

King-Seeley Corp., K-S Bldg., 315 S. First St., Ann Arbor, Mich. "K-S."

Stewart-Warner Corp., Instrument Div., 1326 Diversey Parkway, Chicago, Ill. (Magnetic and electric.)

United Motor Service, General Motors Bldg., Detroit 2, Mich.

United States Taximeter Co., 514 W. 54th St., New York 19, N. Y. "U. S. Tachograph." (Recording, for trucks.)

Waltham Watch Co., 221 Crescent St., Waltham 54, Mass.

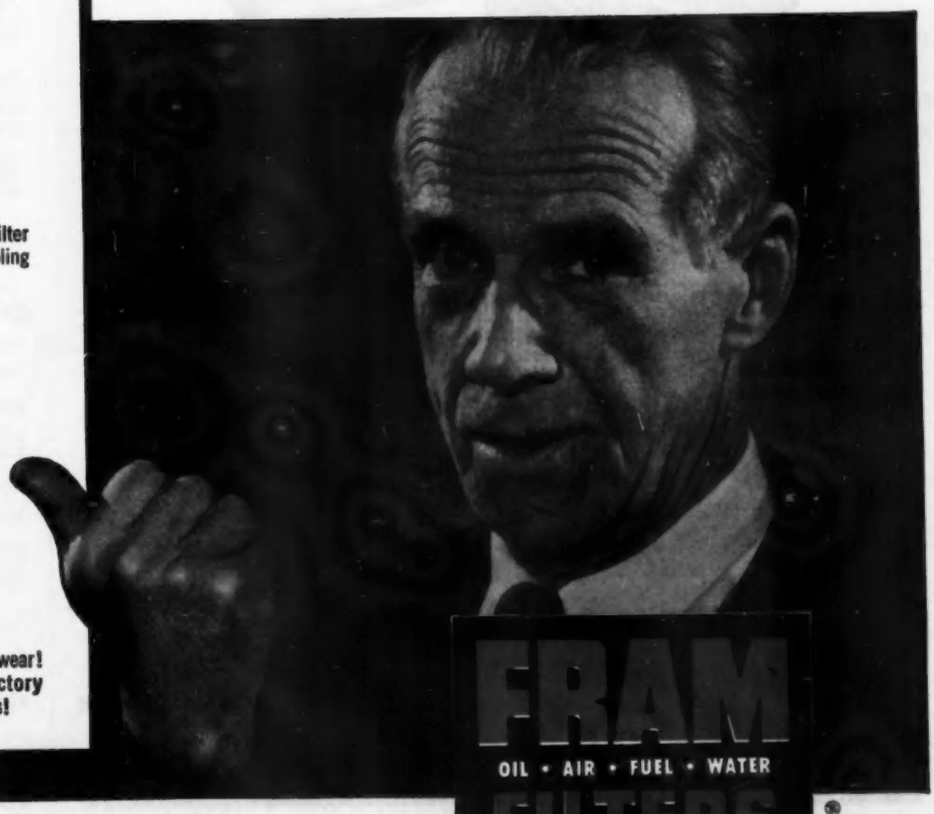
FRAM BEST FOR ANY FLEET

cuts operating costs, maintenance, repairs!

Keep your fleet out of the shop and on the road with FRAM—guaranteed your best bet for longer service at less cost per mile!

FRAM Radiator & Water Filter stops overheating . . . ends cooling system troubles!

FRAM Cartridges cut engine wear! Custom-engineered to factory standards for all your engines!



FRAM
OIL • AIR • FUEL • WATER
FILTERS ®

FRAM CORPORATION, Providence 16, R. I.
Fram Canada Ltd., Stratford, Ont.

SPEEDOMETER CABLE

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo.
Hygrade Products Div., Standard Motor Products, Inc., 25-35 35th St., Long Island City, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Paragon Products Corp., 156 Astor St., Newark 5, N. J. "Vulcan."
Parts Mfg. Co., 311 W. 66 St., N. Y. 23, N. Y. "Parco."
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich.
Speedometer Service Co., 151 Forest St., Montclair, N. J. "S. S."
Stewart Mfg. Corp., F. W., 4311 Ravenswood Ave., Chicago, Ill. "Circle Ess."
Stewart-Warner Corp., 1826 Diversey Parkway, Chicago 14, Ill.
Wyzenbeek & Staff, Inc., 836 W. Hubbard St., Chicago 22, Ill. "Wyco."

SPLASH GUARDS, See Guards, Splash
SPOTLIGHTS, See Lamps, Fog, Head, Spot
SPRAY BOOTH, See Booths, Spraying

THE Lamson NO. 9-118
TREASURE CHEST

ADJUSTABLE FOR STANDARD PACKAGES OF FASTEST-MOVING SIZES

- All Steel. Large Capacity. Size 28" x 13" x 10".
- Nine double-size drawers; each clearly marked with contents and piece-by-piece resale prices.
- Contains 118 Lamson "25" line packages of the most popular automotive fasteners.

GET IT FROM L&S

Resale value of contents	$ 78.34
Dealers' net price	48.95
Dealers' profit	$ 29.39

(No sales value is placed on steel chest)

The LAMSON & SESSIONS Co.

Lamson & Sessions

1971 West 85th Street • Cleveland, Ohio
Plants at Cleveland and Kent, Ohio • Chicago • Birmingham

SPRAYERS, Molten Metal

Accurate Tool & Engineering Co., 640 Tenth Ave., San Diego 1, Calif. "Trobrand."
Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa, "Sioux."
Metallizing Engineering Co., 1101 Prospect Ave., Westbury, Long Island, N. Y. "Metco."

SPRAYERS, Paint, Varnish, Lacquer, and Accessories

American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y.
Bede Products, Inc., 1110 Brookpark Rd., Cleveland 9, Ohio. (Airless.)
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Black Mfg. Co., 201 2nd St., Harrison, N. J. "Milburn," "Black Arrow."
Brown Corp., W. R., 2701 N. Normandy Ave., Chicago 35, Ill. "Marvel." "Speedy." (Also auto power.)
Campbell-Hausfeld Co., 211 Railroad Ave., Harrison, Ohio.
Cleveland Container Co., Abrasive Div., 3571 W. 62nd St., Cleveland 2, Ohio. (Spray gun heads for paint cans.)
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, O.
Dupli-Color Products Co., 2440 S. Michigan Ave., Chicago 16, Ill. (Operated from car engine.)
Electric Sprayit Co., 14th & Illinois Sts., Sheboygan, Wis. "Sprayit."
G. M. C. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Gray Co., 60 11th Ave. N.E., Minneapolis 13, Minn. "Paintmaster."
M & E Mfg. Co., 2571 Winthrop Ave., Indianapolis 5, Ind.
Macleod Co., Box 452, Sharonville, Ohio.
Master Mfg. Co., 811 W. Cabrini St., Chicago 7, Ill.
Meiser & Co., G. H., 327 E. Marquette Rd., Chicago 37, Ill. "Enginair."
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Pioneer Air Compressor Co., 120 Chambers St., New York 7, N. Y.
Plumber Spray Equipment Co., 700 Filmore St., Napoleon, Ohio. "Handigrip," "Plummer."
Portable Elec. Tools, Inc., 320 W. 83 St., Chicago 20, Ill.
Saylor-Beall Mfg. Co., St. Johns, Mich.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Calif.
Spray Engineering Co., 114 Central St., Somerville 45, Mass. "Spraco."
Stowe, Jr., George M., 277 Military Road, Buffalo 7, N. Y. "Multiblasters." (For rough painting only.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

SPRAYERS, Undercoating

American Brake Shoe Co., Kellogg Div., Rochester 9, N. Y. "Visco-Spray Guns."
Binks Mfg. Co., 3114 Carroll Ave., Chicago 12, Ill.
Black Mfg. Co., 201 2nd St., Harrison, N. J. "Muff Gun."
DeVilbiss Co., 300 Phillips Ave., Toledo, Ohio.
Electric Sprayit Co., 14th & Illinois Sts., Sheboygan, Ws.
Gray Co., 60 11th Ave., N. E., Minneapolis 13, Minn. "Graco."
Hudson Mfg. Co., Railroad & Institute Sts., Conyers, Ga.
Lincoln Engrg. Co., 5701 National Bridge Ave., St. Louis 20, Mo.
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover." (Air operated.)
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill.
Stowe, Jr., George M., 277 Military Road, Buffalo 7, N. Y.

SPREADERS, ROAD (Gravel, Salt, Sand). See Sanders, Road

SPRINGS, Helper

Automotive Aids Corp., 3526 W. Fort St., Detroit 16, Mich.
Bee-Line Co., P. O. Box 569, Davenport, Iowa.
Laher Spring & Tire Corp., 2615 Magnolia St., Oakland 7, Calif.

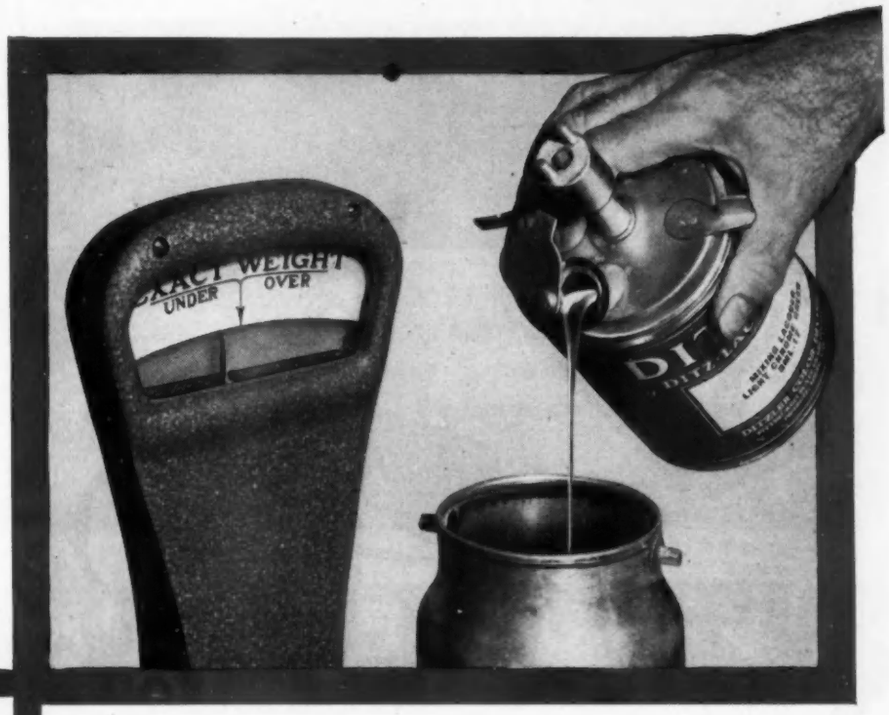
Any COLOR...Any QUANTITY...Any TIME!

with Ditzler's Exact-Weight Color-Mixing Service

Eliminates Waste

Cuts Costs

Speeds Up Service



NEW MOTO-MIX SAVES TIME AND WORK

DITZLER'S new compact Moto-Mix is an electric motor-driven device for stirring a quart or a gallon of paint. It eliminates the drudgery of hand stirring, saving time and work. It is designed especially for use with the agitating and pouring lids furnished with the base colors of the Ditzler Exact-Weight Color-Mixing Service.

THERE'S NO NEED to wait for paint deliveries when you have Ditzler's Exact-Weight Color-Mixing Service. You can mix in a few minutes the amount you wish of any of the 3400 active automotive colors in lacquer or enamel. There's no guesswork . . . no over-orders . . . no half-filled cans on your shelves.

Included in this service is an extremely accurate scale which will weigh as little as 1/4500ths of a gallon of paint. This method of measuring color by weight, pioneered and perfected by Ditzler, is much more simple and correct than other devices which measure by volume. You control the amount accurately because you watch the scale while pouring without shifting your gaze.

You can make substantial savings by mixing your own colors with Ditzler's Exact-Weight Service . . . savings that range as high as 50 per cent of factory-standard colors. We'll be glad to furnish you additional information on this service.

DITZLER COLOR DIVISION, PITTSBURGH PLATE GLASS COMPANY
Detroit 4, Michigan

DITZLER

PAINTS • GLASS • CHEMICALS • BRUSHES • PLASTICS • FIBER GLASS

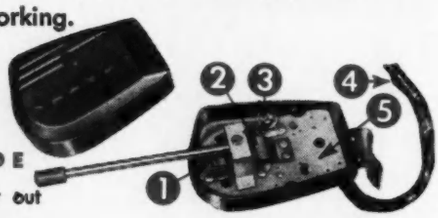
PITTSBURGH PLATE GLASS COMPANY

IN CANADA: CANADIAN PITTSBURGH INDUSTRIES LIMITED

Why ARROW Class "A" Signal Sets Are Your Best Buy Today

New Arrow "Cab-Master" Switch

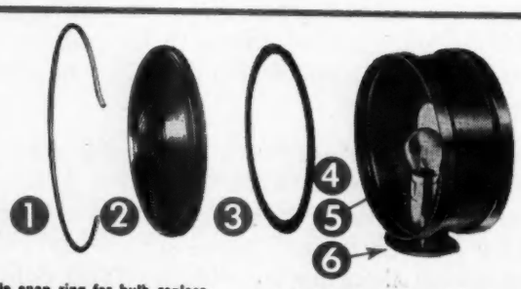
Just the right length for fingertip control. Flips in place with positive, "feel it" action. Positive proof—if the pilot light blinks, you could testify in court your lights were working.



SIMPLY AND STRONGLY MADE

Nothing to burn or wear out—nothing to cause trouble. Unbreakable handle of ¼" steel rod. Adjustable 2-screw mounting arrangement. Heavy duty ⅛" thick mounting bracket, reversible for easier mounting.

1. Heavy-duty phosphor-bronze contacts, lubricated for double life.
2. Wide, heavy leaf spring for positive centering—self-cleaning contact.
3. Only one bulb to replace.
4. Positive grounding wire—simple harness.
5. Stable mounting platform.



1. Simple snap ring for bulb replacement.
2. Stimsonite fluted lens—the finest optical quality.
3. Unbreakable gasket material—you never have to replace it.
4. Rimless construction, rustproof shell.
5. No reflector to dull, corrode or get in the way of bulb replacement.
6. Solid 1½" square mounting platform.
7. 30 to 50% lighter weight.

ARROW MAGNALITES always assure the same light output—they're so powerful they need no reflector. The finely made lens is fadeproof—will not crack, craze or draw. Sturdy, rustproof steel shell. Available in double-faced, single-faced or flush-mounted models.

BE SURE TO SEE YOUR ARROW JOBBER TODAY

ARROW

SAFETY AFTER DARK

Arrow Safety Device Company . Mount Holly, New Jersey

SPRINGS TO STANDS

SPRINGS, Helper—*continued*

Maremont Automotive Products, Inc., S. Ashland Ave. at 16th St., Chicago 8, Ill.
Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo.
Prior Products Co., 4828 Racell St., Dallas, Texas.
Rowland, Inc., Wm. & Harvey, Lewis & Tacony Sts., Frankford, Philadelphia 24, Pa.
Service Spring Co., 701-735 St. Paul St., Indianapolis 6, Ind. "Service-Indianapolis."
St. Louis Spring Co., Div. Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo.
Trainor National Spring Co., New Castle, Ind.
Tuthill Spring Co., 760 W. Polk St., Chicago 7, Ill.
Vulcan Spring Co., 755 Lexington St., Chicago 7, Ill.

SPRINGS, Leaf

Benz Spring Co., 321 N. W. Ninth Ave., Portland 9, Ore.
Betts Spring Co., 868 Folsom St., San Francisco, Calif.
Burton Auto Spring Corp., 2433 W. 48th St., Chicago 32, Ill. (For cars, trucks, trailers and buses.)
Champ Spring Co., 2107 Chouteau Ave., St. Louis, Mo. "Champion."
Cincinnati Auto Spring Co., 311 Central Ave., Cincinnati 2, Ohio. "Casco." (For trucks and trailers.)
Detroit Steel Products Co., 2250 E. Grand Blvd., Detroit 11, Mich.
Eaton Mfg. Co., Spring Div., 9771 French Road, Detroit, Mich.
Iron City Spring Co., 2920 Smallman St., Pittsburgh, Pa.
Laher Spring & Tire Corp., 2615 Magnolia Sts., Oakland 7, Calif.
Liggett Spring & Axle Co., Monongahela, Pa. (Auto, truck and trailer.)
Maremont Automotive Products, Inc., S. Ashland at 16th St., Chicago, Ill. (Auto, truck, bus and trailer.)
Mather Spring Co., 939 N. Cove Blvd., Toledo 10, Ohio.
Moog Industries, Inc., 6650 Easton Ave., St. Louis 14, Mo.
Rockwell Spring & Axle Co., Coraopolis, Pa.
Rowland, Inc., William & Harvey, Lewis & Tacony Sts., Frankford, Philadelphia 24, Pa.
Service Spring Co., 701-735 St. Paul St., Indianapolis 6, Ind. "Service-Indianapolis."
Standard Steel Spring Co., Coraopolis, Pa.
Trainor National Spring Co., Box 391, New Castle, Ind.
Triangle Auto Spring Corp., Maloney Rd. & B. & O. R. R., Dubois, Pa.
Tuthill Spring Co., 760 Polk St., Chicago 7, Ill.
United States Spring & Bumper Co., 4951 Alcoa Ave., Los Angeles 58, Calif. (Suspension.)
Vail Spring Works, Inc., P. O. Box 4008, Broad Creek Sta., Norfolk, Va.
Vulcan Spring Co., 755 Lexington St., Chicago 7, Ill.

STANDS, Adjustable

Ajax Auto Parts Co., 1201 Michigan Blvd., Racine, Wis.
Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich.
Cochin Mfg. Co., 1440 E. Grand Ave., South, San Francisco, Calif.
Evans Reamer & Machine Co., New Livingston, Ohio.
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
R V Jack Corp., P. O. Box 205, Arcade, N. Y.
Reliable Jack Div. of Dayton Malleable Iron Co., 1401 W. 2nd St., Dayton 1, Ohio.
Toledo Pressed Steel Co., 397 Phillips Ave., Toledo 12, Ohio. (Folding.)
Unit Mfg. Co., 1229 Harmon Pl., Minneapolis 3, Minn.
Wagner Mfg. Co., 122 W. First St., Cedar Falls, Iowa. (Folding.)
Walker Mfg. Co. of Wis., Michigan & Hamilton Sts., Racine, Wis.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. (Horses.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K. R. W."

NEW CHEVROLET TRUCKS

have what it takes to boost efficiency and bring down costs!

In the next three paragraphs you'll find a few good reasons why you can get more work out of a Chevrolet truck and save money doing it.

INCREASED POWER IS THE FIRST BIG REASON

With Chevrolet's higher compression ratio you've got more power under the hood. Power that results in greater acceleration and hill-climbing ability. Faster starts and acceleration over the day's work save valuable time and increase over-all efficiency. Check the gas mileage, too. With this higher compression ratio, your Chevrolet truck registers *more miles on the job* for each tankful of gas. That's where you start to save money.

BUILT-IN RUGGEDNESS SAVES EVEN MORE

The strength and stamina of more rigid frames, and the special chassis features that pertain to each model—these combine to add extra ruggedness to your Chevrolet truck. Push it hard on the rough jobs; keep it going over long schedules—you'll still find your upkeep costs lower and your Chevrolet trucks lasting a lot longer.

ONE LAST POINT—and maybe the most important to you—you'll find Chevrolet's line of trucks priced the lowest of all! Talk over your needs with your Chevrolet dealer. He'll be glad to give you the facts about the best model for your job. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

MOST TRUSTWORTHY TRUCKS ON ANY JOB! CHEVROLET

CHEVROLET ADVANCE-DESIGN TRUCK FEATURES

THREE GREAT ENGINES—The new "Jobmaster 261" engine* for extra heavy hauling. The "Thriftmaster 235" or "Loadmaster 235" for light-, medium- and heavy-duty hauling. **NEW TRUCK HYDRA-MATIC TRANSMISSION***—offered on ½-, ¾- and 1-ton models. Heavy-Duty **SYNCHRO-MESH TRANSMISSION**—for fast, smooth shifting. **DIAPHRAGM SPRING CLUTCH**—improved-action engagement. **HYPOID REAR AXLE**—for longer life on all models. **TORQUE-ACTION BRAKES**—on all wheels on light- and medium-duty models. **TWIN-ACTION REAR WHEEL BRAKES**—on heavy-duty models. **DUAL-SHOE PARKING BRAKE**—greater holding ability on heavy-duty models. **NEW RIDE CONTROL SEAT***—eliminates back-rubbing. **NEW, LARGER UNIT-DESIGNED PICKUP AND PLATFORM STAKE BODIES**—give increased load space. **COMFORTMASTER CAB**—offers greater comfort, convenience and safety. **PANORAMIC WINDSHIELD**—for increased driver vision. **WIDE-BASE WHEELS**—for increased tire mileage. **BALL-GEAR STEERING**—easier, safer handling. **ADVANCE-DESIGN STYLING**—rugged, handsome appearance.

**Optional at extra cost. Ride Control Seat is available on all cabs of 1½- and 2-ton models, standard cabs only in other models. "Jobmaster 261" engine available on 2-ton models, truck Hydra-Matic transmission on ½-, ¾- and 1-ton models.*

STANDS, AXLE REPAIR, REAR, See Stands, Engine Transmission Repair

STANDS, Body Parts Repair

Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Reck-Rack."

STANDS, Engine & Transmission Repair

Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa. (Transmission.)
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Kaasco."
Cedar Rapids Engrg. Co., 902 N. 17th St., Cedar Rapids, Iowa. "Kwik-Way."
Clayborne Mfg. Co., 429 N. Main St., Monticello, Ind.
Cleveland Pneumatic Tool Co., Automotive Div., 3769 E. 77th St., Cleveland 5, Ohio. "Aerol" and "Clayborne."
Curtiss & Smith Mfg. Corp., 125 E. 4th St., Pottstown, Pa. "C S."
Evans Reamer & Machine Co., New Lexington, Ohio.
K & W Products, Inc., 8319 Allport Ave., Whittier, Calif. "K & W."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Manley Div. American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Montague Equipment Co., Box 222, Urbana, Ohio. "All Point."
Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex. (Cylinder boring.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Worthington Pump & Mchry. Corp., Harrison, N. J.

STANDS, Portable Tool and Parts

All Steel Welded Truck Co., 1149 Railroad Ave., Rockford, Ill.
Angle Steel Stool Co., 55 Oak St., Plainwell, Mich.
Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa.
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Colson Corp., Elyria, Ohio.
Cornwell Quality Tools Co., Mogadore, Ohio.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Equipto Div. Aurora Equipment Co., Prairie St. at Cleveland Ave., Aurora, Ill.
Frick-Gallagher Mfg. Co., 200 W. Second St., Wellston, Ohio. "FGM Rotabin."
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Kennedy Mfg. Co., N. Harrison St., Van Wert, Ohio.
Lincoln Engrg. Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Nutting Truck & Caster Co., 1201 W. Division St., Faribault, Minn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
R & L Mfg. Co., 1945 N. 12th St., Toledo 1, Ohio. (Sole distributors, Lisle Corp., 809 E. Main St., Clarinda, Iowa.)
Service Caster & Truck Corp., 540 N. Brownswood Ave., Chicago, Ill. (Elevating.)
Shure Mfg. Co., 1601 S. Hanley Rd., St. Louis 17, Mo. "Nat-Flex" & "Shure-Built."
Standard Pressed Steel Co., Jenkintown, Pa. "Hallowell."
Sturdi-Bilt Steel Products, Inc., 624 S. Michigan Ave., Chicago 5, Ill.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

STARTING AID

Schauer Mfg. Corp., 4533 Alpine St., Cincinnati 36, Ohio.

STARTING MOTOR DRIVE PARTS, See Parts, Starting Motor Drive

STARTING MOTORS, See Motors, Starting

STEAM CLEANERS, See Cleaners, Engine, Chassis and Fender

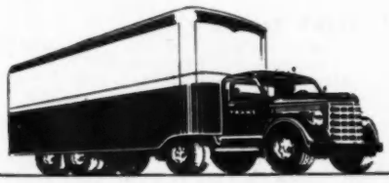
STEEL or IRON, Angle, Channel and Tee

Atlantic Steel Co., 16th & Mecaslin Sts., Atlanta 1, Ga. "Dixisteel." (Steel.)
Calumet Steel Div. of Borg-Warner Corp., 11 St. & Wentworth Ave., Chicago Heights, Ill.
Hynes Steel Products Co., 3760 Oakwood Ave., Youngstown, Ohio. (Angle steel.)
Inland Steel Co., 38 S. Dearborn St., Chicago 3, Ill.
Jones & Laughlin Steel Corp., 401 Liberty Ave., Gateway Center, Pittsburgh 30, Pa. (Steel.)
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio.
Ryerson & Son, Inc., Joseph T., 16th & Rockwell Sts., Chicago, Ill. (Distributors.)
United States Steel Corp., 525 Wm. Penn Pl., Pittsburgh 30, Pa. "U.S.S."
Youngstown Steel Car Corp., Niles, Ohio.

STEEL, Sheet

American Nickeloid Co., Peru, Ill. (Nickel, chrome, copper and brass plated.)
Apollo Metal Works, Inc., Clearing Station, Chicago 38, Ill. (Chromium, nickel, copper or brass plated.)
Armco Steel Corp., 703 Curtis St., Middletown, Ohio. (Hot and cold rolled.)
Bethlehem Steel Co., Bethlehem, Pa. "Beth Cu Loy."

Down Time REDUCED 75% WITH CLEVITE* 77



"SINCE installing Clevite 77 Bearings, our down time due to bearing failures has been cut 75%", reports the superintendent of a major freight line serving the Midwest. Clevite 77's are being used in connecting rods and main bearings on their fleet of trucks, and they have been averaging 185,000 miles of heavy-duty operation.

This is just another example of the outstanding reliability and low service cost when you install Monmouth* Engine Bearings.

You can depend upon these precision replacement parts for they are made by the world's largest producer of original equipment bearings. If your trucks or busses require engine bearings with extreme fatigue resistance, the Clevite 77 was designed, tested and perfected with your problems in mind. Nationwide distribution is handled by NAPA Jobbers.

NAPA Assurance of Quality

Your NAPA Jobber is a Good Man to Know!

*The words Monmouth, Clevite and Micro are registered trade marks of Clevite Corporation.

Monmouth TRADE MARK

ENGINE BEARINGS
CLUTCH PLATES AND PARTS
CHASSIS PARTS

Clevite Service **The Cleveland Graphite Bronze Co.**
Division of Clevite Corporation, Cleveland, Ohio

STEEL, Sheet—*continued*

Caine Steel Co., 1820 N. Central Ave., Chicago 39, Ill.
Coatesville Plate Washer Co., 1644 Widener Bldg., Philadelphia 7, Pa.
Continental Steel Corp., 1108 S. Main St., Kokomo, Ind.
Crucible Steel Co. of America, 535 Smithfield St., Pittsburgh, Pa.
Detroit Steel Corp., 1025 S. Oakwood Ave., Detroit 9, Mich. (Hot & cold rolled.)
Eastern Stainless Steel Corp., P. O. Box 1975, Baltimore, Md. (Stainless.)
Great Lakes Steel Corp., Ecorse, Detroit 29, Mich. (Enameled.)
Great Lakes Steel Corp., N-A-X Alloy Div., Detroit 29, Mich.
Hynes Steel Products Co., 3760 Oakwood Ave., Youngstown, Ohio.
Ingersoll Steel, Div. Borg-Warner Corp., P. O. Box 273, New Castle, Ind. (Carbon, alloy; stainless clad.)
Inland Steel Co., 38 S. Dearborn St., Chicago 3, Ill. (Also "Hi-Steel," "Cor-Ten" [Licensee], 4-Way Safety Plate.)
Jones & Laughlin Steel Corp., 401 Liberty Ave., Gateway Center, Pittsburgh 30, Pa.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio.
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio. (Stainless.) "Republic."
Ryerson & Son, Inc., Joseph T., 16th & Rockwell Sts., Chicago, Ill.; (Distributors.)
Sharon Steel Corp., Sharon, Pa. "Sharon-steel."
Superior Sheet Steel Co., Canton, Ohio.
Superior Steel Corp., 3112 Grant Bldg., Pittsburgh 19, Pa. (Copper, monel or nickel coated.)
Tennessee Coal & Iron Div. United States Steel Co., P. O. Box 599, Fairfield, Ala.
United States Steel Corp., 525 Wm. Penn Pl., Pittsburgh 30, Pa. "USS," "USS Cor-Ten."
Universal-Cyclops Steel Corp., Station St., Bridgeville, Pa.
Washington Steel Corp., Griffith & Woodland Aves., Washington, Pa (Stainless)
Weirton Steel Co., Weirton, W. Va.
Wheeling Steel Corp., Wheeling Steel Bldg., Wheeling, W. Va.

STEERING GEARS, See Gears, Steering

STEERING, Power

Air-O-Matic Power Steer Corp., 24 Noble Court, N. W. Cleveland 13, Ohio. "Apsco." (Air for trucks and buses.)
Bendix Products Div. Bendix Aviation Corp., 401 N. Bendix Drive, South Bend 20, Ind. (Hydraulic.)
Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio. (Air.)
Garrison Mfg. Co., 1500 S. Santa Fe Ave., Los Angeles 21, Calif. (Hydraulic, for trucks and tractors.)
Gemmer Mfg. Co., 6400 Mt. Elliott Ave., Detroit 11, Mich. "Gemmer Hydraguide." (Hydraulic.)
Ross Gear & Tool Co., 800 Heath St., Lafayette, Ind. (Hydraulic.)
Saginaw Steering Gear Div. General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich. (Hydraulic.)
Vickers, Inc., 1400 Oakman Blvd., Detroit 32, Mich. (Hydraulic.)

STENCILS, For Lettering

Dicks Co., C. O., Detroit, Mich. (Lettering for trucks; cut paper masks for spraying.)

STEPS, Truck Body

Automotive Equipment Mfg. Co., 11000 South Alameda St., Lynwood, Calif.
Bustin Steel Products, Inc, Dover, N. J.
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Kaasco." (Folding.)
Mesco Products, Crete, Neb. "Mesco Fold-Away." (Folding.)
Midwest Body & Mfg. Div., Electrographic Corp., S. Central St., Paris, Ill. "Handy Step." (Side or rear.)
Safety Step Co., 778 N. Virgil Ave., Los Angeles 29, Calif. "Saf-T-Step." (Side and rear.)
Truck Accessories Co., 2512 W. Olympic Blvd., Los Angeles 6, Calif.
Truk-Step Co., 132 W. Verdugo St., Burbank, Calif.
Turk Corp., C. K., 1122 Meshawaka Ave., South Bend 15, Ind. "Caravan." (Folding.)
Visco-Meter Corp., 315 Grote St., Buffalo 7, N. Y. (Maintenance Stand.)
Western Motors, Body Div., 4834 Cermak Rd., Cicero, Ill.

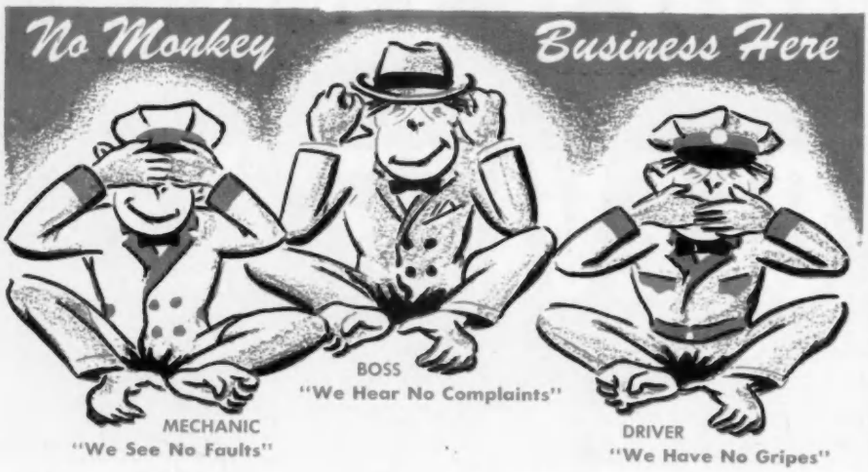
STRAIGHTENERS, Axle

Bean Div., Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing, Mich.
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Builders Ornamental Iron Co., 4655 W. Arthington St., Chicago 44, Ill. "Frame Master."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.

STRAIGHTENERS, Frame

(See Also Presses, Straightening)

Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Co., Box 569, Davenport, Iowa.
Builders Ornamental Iron Co., 4655 W. Arthington St., Chicago 44, Ill. "Frame Master."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. (Hydraulic, combination body and frame.)



ARE YOU CUTTING YOUR DOCK TRANSFER COSTS?
IF YOU MOVE MORE THAN 25 TRAILERS PER DAY . . . YOU CANNOT AFFORD TO BE WITHOUT THE BARTLETT SPOTTING HYDRAULIC 5TH WHEEL.

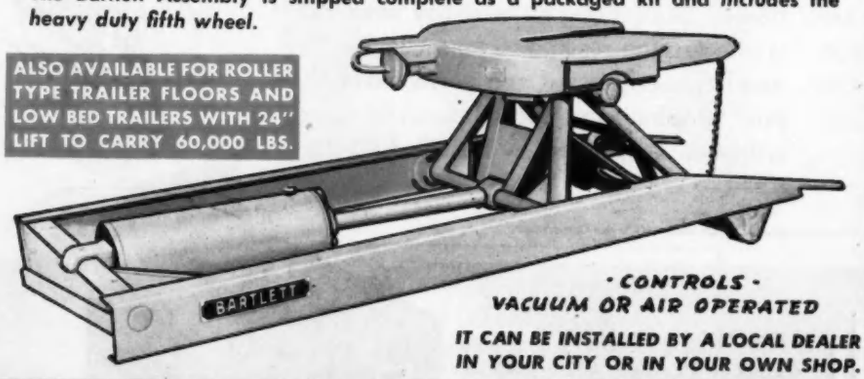
YES . . . DOCK SPOTTING COSTS CAN BE CUT 2/3 WITH THIS BARTLETT "SPEEDY" LIFTING FIFTH WHEEL . . . *IT WILL LIFT 50,000 LBS. 14" HIGH.*

RECOGNIZED AS THE BEST EXPEDIENT NOT ONLY IN SPOTTING TIME BUT BY ELIMINATING DAMAGE TO TRAILER SUPPORTS, BODY NOSE PUSH-UPS, NOSE DIVING AND COUPLINGS.

THE BARTLETT SPECIAL FIFTH WHEEL IS REINFORCED TO GIVE YEARS OF UNINTERRUPTED SERVICE. IT HAS HAD 7 YEARS OF ENDURANCE TESTS UNDER THE HARDEST SERVICE BY ALL TRUCKERS NATIONALLY.

The Bartlett Assembly is shipped complete as a packaged kit and *includes* the *heavy duty fifth wheel.*

ALSO AVAILABLE FOR ROLLER TYPE TRAILER FLOORS AND LOW BED TRAILERS WITH 24" LIFT TO CARRY 60,000 LBS.



· CONTROLS · VACUUM OR AIR OPERATED

IT CAN BE INSTALLED BY A LOCAL DEALER IN YOUR CITY OR IN YOUR OWN SHOP.

BARTLETT TRAILER CORPORATION
3080 ARCHER AVE. • CORNER OF ASHLAND • CHICAGO 8 • VIRGINIA 7-1160

RIVETING

as easy as driving a nail!

Southco Drive Rivet Fastening . . . in blind or access applications . . . is quick and economical. One man, with only a hammer, does the job. Just hit the pin . . . the rivet's in. No other operations are needed . . . no bucking up . . . no finishing off . . . no special tools. Time and labor savings are substantial.

Parts are forced tightly together by the rivet's powerful "pull-up".

Spot the fastening applications in your production line that can benefit by the use of Southco Drive Rivets. Let a Southco engineer figure the time that can be saved. There's no obligation. Write for complete information to Southco Division, South Chester Corporation, 228 Industrial Highway, Lester, Pa.

Rivet and Mfg. Patented

© 1954

SOUTHCO

FASTENERS

PAWL • SCREW AND SPRING • DRIVE RIVETS • ANCHOR NUTS • ENGINEERED SPECIALTIES

OFFICES IN PRINCIPAL CITIES

WHEREVER TWO OR MORE PARTS ARE FASTENED TOGETHER; STANDARD AND SPECIAL DESIGNS FOR IMPROVED PERFORMANCE AND LOWER PRODUCTION COSTS

STRAIGHTENERS, WHEEL. See Presses, Straightening (Wheel)

STRIPPERS, PAINT, See Removers, Paint, Enamel and Varnish

SUSPENSION UNITS, AXLE (FOR TRAILERS), See Axle Suspension Units, for Trailers

SWEEPERS, Road

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Austin-Western Co., Aurora, Ill.
Columbia Engineering Service Co., 178 14th St., San Francisco, Cal. (Magnetic Type.)
Elgin Sweeper Co., Elgin, Ill.
Esiec Manufacturing Co., 42 Magnet Drive, Erie, Pa.
Frink Sno-Plows, Inc., Clayton, Thousand Isle, N. Y.
Hough Co., Frank G., Libertyville, Ill.
Little Giant Products, Inc., 1530-60 N. Adams St., Peoria, Ill.
Wilshire Power Sweeper Co., 526 W. Chevy Chase, Glendale 4, Calif. (Road & floor.)

SWITCHES, Direction Indicating Signal

Ark-Les Switch Corp., 51 Water St., Watertown 72, Mass.

Let it rain, sleet or snow! Moisture, dirt, salt spray, grime, fumes are sealed out of

WARREN *Snap Seal* SAFETY LAMPS

for the lifetime of your trucks & trailers!

Rugged, unique *Snap Seal* vapor- and explosion-proof construction holds shatterproof lens and thick aluminum alloy combination reflector and body casting of WARREN Lamps firmly together—pressure-sealed *bubble-tight!*—without screws, clips, washers, springs, etc. Remove lens in one second with screwdriver—replace merely by snapping lens back into body. All WARREN Safety Lamps meet or exceed S.A.E. recommended procedure, I.C.C. and State requirements . . . are guaranteed for 10 years against defective workmanship and materials.

You'll never really know what trouble-free safety lighting can mean until you install sturdy, weather-proof WARREN *Snap Seal* Lamps on your vehicles.

You owe it to yourself and your operations to protect your drivers, equipment and loads with *Snap Seals,* the lamps that pay off in performance!

BUILT TO LAST LIFETIME OF VEHICLE!
WARREN *Snap Seal* Lamps are built to provide years of dependable performance even in the toughest service. Their unique heavy-duty construction virtually eliminates the common causes of failure in ordinary lamps—wear, rust, corrosion and vibration.

ASSURES BETTER, SAFER, LONGER-LASTING LIGHT—Engineered to set new standards of safety, improved lighting and long life, WARREN *Snap Seal* Lamps deliver all that—and more besides! You'll prove this true quickly, once you install them.

COST LESS FOR THE "LONG HAUL"
You'll also prove it profitable to standardize on *Snap Seals* for replacements . . . to specify them on new equipment.
Write for complete information today!

Manufacturers of WARREN Manifold & Emergency Valves & Custom Built Machinery Since 1901

BETTS MACHINE COMPANY
WARREN, PENNSYLVANIA

Arrow Safety Device Co., Mt. Holly, N. J.
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Chefford Master Mfg. Co., Fairfield, Ill.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div., General Motors Corp., Anderson, Ind.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill.
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Marion Truck Equipment Co., 2030 S. State St., Chicago 16, Ill. (Air brake.)
Pollak Corp., Joseph, 75 Freeport St., Boston, 22, Mass.
Saginaw Steering Gear Div., General Motors Corp., 3900 Holland Rd., Saginaw, Mich.
Signal-Stat Corp., 523-39 Kent Ave., Brooklyn 11, N. Y.
Sparton Automotive Div. of Sparks-Withington Co., Jackson, Mich.
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts., Philadelphia 36, Pa.
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y.
Yankee Metal Products Corp., 25 Grant St., Norwalk, Conn. "Wheel-O-Matic." (Self-cancelling.)

SWITCHES, Floor or Foot

Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 8, Mo.
Carter Parts Co., 213 Institute Pl., Chicago 10, Il.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind. (Foot dimming.)
Echlin Mfg. Co., 220 East St., New Haven 5, Conn. (Dimming.)
Electric Auto Lite Co., Toledo 1, Ohio.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Headlight dimming.)
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Automotive Specialty Co., 10-40 45th Ave., Long Island City 1, N. Y. "Gasco." (Headlight dimming.)
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y. (Headlight dimming.)
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill. (Headlight dimming, foot.)
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kem Mfg. Co., 20-21 Dagaraw Rd., Fair Lawn, N. J.
M. D. Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco." (Headlight dimming.)
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
New York Coil Co., 42 Second Ave., Phoenixville, Pa. "Nyco." (Headlight dimming, foot operated.)
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Headlight dimming.)
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y. (Headlight dimmer.)
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind. (Headlight dimming, foot operated.)
Sorenson Mfg. Co., 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak." (Headlight dimming.)
Zaiger Corp., 589 Essex St., Lynn, Mass. "Hi-Amp."

SWITCHES, Heater

Ark-Les Switch Corp., 51 Water St., Watertown 72, Mass.
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Culver-Stearns Mfg. Co., 181 Greenwood St., Worcester 7, Mass.

Engines are putting new hauling power tired trucks of every make and model

Here's what the owners are saying:

"Our running costs couldn't be lower. And with that engine's extra zip, we're knocking the spots off our old time schedules."
Schwarz Basket & Box Co.
Louisiana, Missouri

"One of our Diesel engine's chalked up 460,000 miles and is still going strong. We're getting better fuel mileage now than when the trucks were new."
Rumbaugh Trucking Co.
Odessa, Texas

"These engines pay for themselves with the money they save. And our trucks last years longer."
Fred Peters, Shop Superintendent
L. C. L. Transit Co.
Green Bay, Wisconsin

"The trucks we put them in make us more money. We're saving 20% on fuel alone."
Inland Petroleum Transportation Co.
Seattle, Washington

"I'm saving 20 to 30 gallons of gas on 644-mile hauls. In fact, all my operating costs are down 45%."
Bryant Truck Lines
Chattanooga, Tennessee

GMC REPLACEMENT ENGINES—
superpower any truck!

What about your truck?
GMC replacement engines blanket the 125- to 225-horsepower range—gasoline and 2-cycle Diesel. There's one engineered for most any make—any model—any year—on the road today. See your GMC Dealer.

GMC Truck & Coach—A General Motors Division

SWITCHES, Heater—*continued*

Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill.
General Automotive Specialty Co., 10-40 45th Ave., Long Island City 1, N. Y. "Gasco."
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio.
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y.
K-D Lamp Div., 1910 Elm St., Cincinnati 10, Ohio.
Kem Mfg. Co., 20-21 Sagaraw Rd., Fair Lawn, N. J.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, N. Y.
Zaiger Corp., 589 Essex St., Lynn, Mass. "Hi-Amp."

SWITCHES, Ignition

Andrew Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.

THE *Anthes* LINE

Anthes

NEW IMPROVED ARMORED LIGHT

Easy to mount — to clean — to service

Red or Amber, Fresnel-type lens with greater reflective area and with smooth outer surface for easier cleaning. The lens is fastened by two strong clips. These clips need only be loosened to remove lens and replace bulb. No screws or parts to handle. Heavy sponge rubber seals and protects the lens. Standard mounting holes in rugged heavy-duty cast iron body. Zinc plated parts, brass socket and baked aluminum body resist rust and corrosion for long lasting service. Examine the new Anthes No. 535 at your jobbers or write to us for trial order. Anthes Force Oiler Company, Ft. Madison, Iowa.

Anthes THE FIRST LINE OF SAFETY

. . . and proud to serve the safest drivers on the road!

Automotive Mfg. Co., 570 W. Fulton St., Chicago 22, Ill. "Amko."
Bendix-Scintilla—See Scintilla Magneto Div. of Bendix Aviation Corp.
Briggs & Stratton Corp., 2711 N. 18th St., Milwaukee 1, Wis.
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co., Toledo 1, Ohio.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill.
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Automotive Specialty Co., 10-40 45th Ave., Long Island City 1, N. Y. "Gasco."
Guaranteed Parts, Seneca Falls, N. Y.
Ideal Clamp Mfg. Co., 435 Liberty Ave., Brooklyn 7, N. Y.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot," (For Ford, Chevrolet and Plymouth cars.)
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Scintilla Magneto Div. Bendix Aviation Corp., Sherman Ave., Sidney, N. Y. "Bendix."
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.
Synchro-Start Products, Inc., 8151 N. Ridgeway Ave., Skokie, Ill. (Automatic.)
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts. (Holmesburg), Philadelphia 36, Pa. "Mitchell."

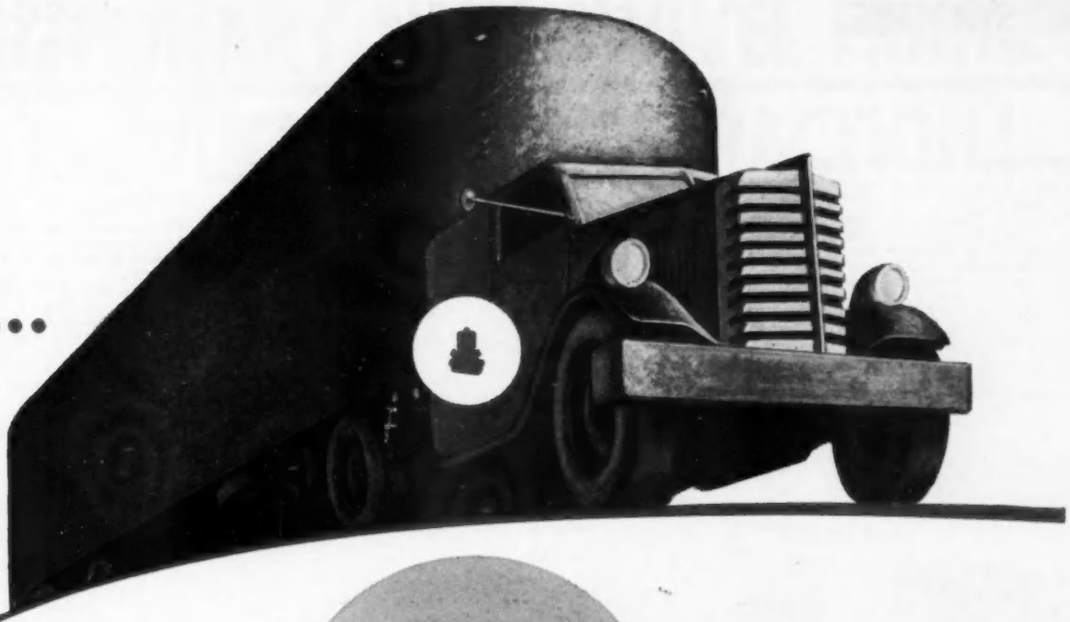
SWITCHES, Ignition, Cut-Off

Clapp Corp., 2519 Hawes St., Dallas 9, Texas.
Durakool, Inc., 1010 N. Main St., Elkhart, Ind. "Tipover."
Moto-Gard Co., 1104 W. Cabarrus St., Raleigh, N. C.
Murphy, Frank W., Tulsa, Okla.
Reynolds Electric Co., 3000 River Rd., River Grove, Ill.
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y. "Mak-Saf."
Service Recarder Co., 1375 Euclid Ave., Cleveland 15, Ohio. "Service Turnover."
Synchro-Start Products, Inc., 8151 N. Ridgeway Ave., Skokie, Ill.
Transportation Safety Appliances, Inc., 343 S. Dearborn St., Chicago 4, Ill.
Viking Instrument Co., East Haddam, Conn.

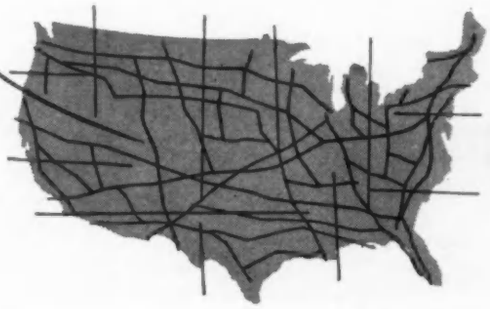
SWITCHES, Light

Ark-Les Switch Corp., 51 Water St., Watertown 72, Mass.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 6, Ill. "Amko."
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Connecticut Telephone & Electric Corp., 85 Britannia St., Meriden, Conn.
Culver-Stearns Mfg. Co., 181 Greenwood St., Worcester 7, Mass.
Cutler-Hammer, Inc., 362 N. 12th St., Milwaukee 1, Wis. "C-H."
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Delta Electric Co., 33rd & Nebraska Sts., Marion, Ind. (For dome lights.)
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill.
General Automotive Specialty Co., 10-40 45th Ave., Long Island City 1, N. Y. "Gasco." (Dash.)
Griffin Lamp Co., 401 S. Third St., Hamilton, Ohio.
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp., 435 Liberty Ave., Brooklyn 7, N. Y.
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.

IN DUAL FUEL SYSTEMS...



a little control *goes a long way*



Millions of trouble-free highway miles over rugged terrain, in all kinds of weather—subject to all the vibration, shock and temperatures you'd expect in a heavy-duty tractor and trailer haul . . . that's the performance record racked up by General Controls PV Series gasoline and LP gas shut-off valves . . . and they can take it. These valves were originally designed to stand up under the impact of Hi-G stresses—so they offer a bonus margin of safety factors far beyond the usual field requirements.

Continuous duty solenoids, soft-seated valves, and other high performance features assure faultless operation at 10 psi for gasoline and 300 psi for LP gas.

Normally closed. Perfect operation in any position.

When *you* convert be safe . . . be efficient . . . be economical . . . be *sure* with dependable General Controls valves.

General Controls
hi-g®
controls

GENERAL CONTROLS

Glendale, Calif., Burbank, Calif., Skokie, Ill.

Manufacturers of Automatic Pressure, Temperature, Level and Flow Controls for Heating, Home Appliances, Refrigeration, Industrial and Aircraft Applications.

FACTORY BRANCHES IN 38 PRINCIPAL CITIES
See your classified telephone directory

SWITCHES, Light—*continued*

Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Regal Motor Products, Inc., 6325 Grand River Ave., Detroit 8, Mich.
Rhodes Inc., M. H., 30 Bartholomew Ave., Hartford 6, Conn. "Mark-Time."
Soreng Products Corp., 9555 Eden Ave., Schiller Park, Ill.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, N. Y.
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts., Holmesburg, Philadelphia 36, Pa.
Zaiger Corp., 589 Essex St., Lynn, Mass. "Hi-Amp."

SWITCHES, Starter

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Carter Parts Co., 213 Institute Place, Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div., General Motors Corp., 2401 Columbus Ave., Anderson, Ind.
Echlin Mfg. Co., 220 East St., New Haven 5, Conn.
Electra Mfg. Co., 2537 Madison Ave., Kansas City 8, Mo.
Electric Auto-Lite Co., Toledo 1, Ohio. "Auto-Lite." (Solenoid.)
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Solenoid.)
Freedco Products, Inc., 154 Nassau St., New York, N. Y.
General Automotive Specialty Co., 10-40 45th Ave., Long Island City 1, N. Y. "Gasco."
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Illinois Accessories Co., 1827 S. Michigan Ave., Chicago 16, Ill.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Leece-Neville Co., 5109 Hamilton Ave., Cleveland 14, Ohio. "L-N."
M D Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Practical Devices, Inc., 103 Lafayette St., New York 13, N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products, Inc., 845 S. Market St., Waukegan, Ill.
Sorensen Mfg. Co., 32-31 57th St., Woodside 77, N. Y.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y.
United Specialties Co., Mitchell Div., Shelmire & Edmund Sts., Holmesburg, Philadelphia 36, Pa.
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.

SWITCHES, Stop Light

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Ark-Les Switch Corp., 51 Water St., Watertown 72, Mass.
Carter Parts Co., 213 Institute Pl., Chicago 10, Ill.
Clum Mfg. Co., 601 W. National Ave., Milwaukee, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delta Electric Co., 33rd & Nebraska Sts., Marion, Ind.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co., Bay Mfg. Div., Bay City, Mich.
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
K-D Lamp Co., 1910 Elm St., Cincinnati 10, Ohio.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. (Trailer.)
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Kilborn-Sauer Co., Post Rd., Fairfield, Conn. "K-S."
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Marion Truck Equipment Co., 2030 S. State St., Chicago 16, Ill.
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot."
Murray Corp., Towson 4, Md.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y.
P & D Mfg. Co., 1902 Steinway St., Long Island City, L. I., N. Y.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Sorensen Mfg. Co., P., 32-31 57th St., Woodside 77, N. Y.

don't be without Dorman Copper Tubing

Every garage and general mechanic regularly uses one or more of the nine sizes (1/8" to 3/4") of Dorman Copper Tubing. *"Dual pancake coils"* of 25 and 50 foot in compact boxes save space. *99 and 90/100% pure* . . . Dorman Copper Tubing has rust free surface, high fatigue and wear resistance, greater ductility . . . forms, flares, flanges and bends readily in difficult applications. Order today from your jobber. Save time when you need it. Don't forget to look for other Dorman Products *Up-Front* at your jobber's. He offers *one-stop service.*

The Quality Line That's Easy to Find

DORMAN PRODUCTS

DORMAN PRODUCTS INC. • CINCINNATI 2, OHIO

REVOLUTIONARY NEW SWIVEL FRAME BOOSTS TRUCK LIFE AND TRACTION!

STRONGER THAN EVER! EASIER TO DRIVE! GREATER PROTECTION FOR TRUCK, BODY AND LOAD! Now your trucks can travel the roughest terrain—without frame twist or distortion—assured of traction and maneuverability never before possible!

For Swivel Frame permits the front and rear halves of a truck to rotate to either side independently. No sprung cabs or jammed doors; no front wheel fight; no frames "dying from fatigue". Chances of damage to body, chassis and load are practically eliminated.

Swivel Frame consists of two heavy-duty box sections (placed where frame is divided) joined by a high-strength alloy-steel tube. All bearings are dust and dirt-sealed. Swivel Frame installations are stronger than original truck frame members . . . have been *proved* on thousands of miles operation in many varied off-and-on road vocations.

Slash maintenance costs, lengthen service life and increase your truck's ability to go places with Swivel Frame! Low-cost models are engineered for all popular make trucks and all types of drives. Send for full details today.

Truckstell

MANUFACTURING COMPANY

Makers of famous Truckstell Dual-Axle Drives, Hydro-Trac 3rd Axles, auxiliaries and other types of special truck equipment.

Truckstell Manufacturing Company, Department 5-1
Union Commerce Bldg., Cleveland 14, Ohio

Rush me your new, illustrated Swivel Frame folder and name of nearest Truckstell Distributor.

NAME_____

FIRM_____

ADDRESS_____

MAKE OF TRUCK(s)_____

SWITCHES, Stop Light—*continued*

Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, Long Island, N. Y.
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo. "Lockheed."
Wells Mfg. Corp., 200 W. Division St., Fond du Lac, Wis.
Yankee Metal Products Corp., 31 Grand St., Norwalk, Conn.

SYNCHRONIZERS, See Instruments, Distributor Testing

TACHOMETERS, Engine Testing

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. (Electric.)
Barbour-Stockwell Co., 205 Broadway, Cambridge 39, Mass.
Electro Products Co., 445 E. 189th St., New York 58, N. Y.
King Electric Equipment Co., 9115 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Sun Electric Corp., 6323 Avondale Ave., Chicago 41, Ill. (Electric.)

Weidenhoff, Inc., Joseph, Algona, Iowa.
Westberg Mfg. Co., 144 S. Coombs St., Napa, Calif. "Westach."

TACHOMETERS, Speed

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich. (Electric.)
Amthor Testing Instrument Co., 45a Van Sinderen Ave., Brooklyn 7, N. Y.
Barbour-Stockwell Co., 205 Broadway, Cambridge 39, Mass. "Reliance."
Biddle Co., James G., 1316 Arch St., Philadelphia 7, Pa. "Frahm," "Jagabi."
Bristol Co., Waterbury 91, Conn.
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill.
Esterline-Angus Co., P. O. Box 596, Indianapolis 6, Ind.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Jones-Motorola Corp., 432 Fairfield Ave., Stamford, Conn. "Jones."
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Metron Instrument Co., 432 Lincoln St., Denver 9, Colo. (Electric.)
Minneapolis-Honeywell Regulator Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
Stewart-Warner Corp., Instrument Div. 1826 Diversey Parkway, Chicago, Ill. (Electric and mechanical.)
Sticht Co., Herman H., 27 Park Place, New York, N. Y. "Standco."
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Veeder-Root, Inc., 20 Sargeant St., Hartford 2, Conn.
Waltham Watch Co., 221 Crescent St., Waltham 54, Mass.
Westberg Mfg. Co., 144 S. Coombs St., Napa, Calif. "Westach."
Zernickow Co., O., 15 Park Row, New York 38, N. Y. "O-Z."

TACHOGRAPHS, See Recorders, Vehicle Movement

TAILGATE LOADERS, See Loaders, Truck (Elevating Tailgate)

TAIL PIPES, See Pipes, Tail and Exhaust

TAKE-OFFS, Power

Adams Engineering Co., 31711 Solon Rd., Solon, Ohio.
Automotive Gear Works, Inc., Eighth & S. O. Sts., Richmond, Ind.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 6, Ill.
Braden Winch Co., Box 547, Broken Arrow, Okla.
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio. (Split shaft.)
Chelsea Products, Inc., 21 Buchanan St., Chelsea, Mich.
Cotta Transmission Co., 2340 11th St., Rockford, Ill.
Couse Mfg. Inc., 300 Pacific St., Newark 4, N. J.
Detroit Harvester Co., Paris Products Div., Paris, Ky.
F. A. B. Mfg. Co., 1249 67th St., Oakland 8, Calif. "Fabco."
Four Wheel Drive Auto Co., Eagle Div., 414 E. Winnebago St., Appleton, Wis.
Gar Wood Industries, Inc., Wayne Div., Wayne, Mich. "GW." (With hoist, winch and crane.)
Heil Co., Dept. 6254, 3062 W. Montana St., Milwaukee 1, Wis.
Hendrickson Mfg. Co., 8001 W. 47th St., Lyons, Ill.
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio.
Mobile Power, Inc., 611 S. Walnut St., Lansing 15, Mich.
Rockford Clutch Div., Borg-Warner Corp., 1319 18th Ave., Rockford, Ill.
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Auburn," "Spicer Brown-Lipe."
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Tulsa Winch, Div. of Vickers, Inc., 823 E. First St., Tulsa 3, Okla.
Twin Disc Clutch Co., 1338 Racine St., Racine, Wis. (Hydraulic.)
Watson Co., H. S., 1316 67 St., Oakland 8, Calif. "Watson-Brown-Lipe."
Western Gear Works, 2600 E. Imperial Highway, Lynwood, Calif.

TALC, TIRE, See Lubricants, Tire
TANK BODIES, See Tanks, Trailer and Truck Body

TANKS, Fuel Supply

American Safety Tank Co., 3937 Main St., Kansas City 11, Mo.
Anderson Co., O. L., 1347 E. Fort St., Detroit 7, Mich.
Champion Sheet Metal Co., 2 Squires St., Cortland, N. Y. (To order.)
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill.
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio.
The Lintern Corp., Route 20 East, Painesville, Ohio. (Sole distributors Lintern-Jolene Sales Corp., P. O. Box 428, Painesville, Ohio.)
M. D. Parts Mfg. Co., 4395 E. Olympic Blvd., Los Angeles, Calif. (For jeeps.)
Michiana Products Corp., Sheet Steel Div., Michigan City, Ind.
Michigan Fleet Equipment Co., 2350 Chicago Drive S. W., Grand Rapids, Mich.
Motors Metal Mfg. Co., 5936 Milford Ave., Detroit 10, Mich.
Prior Products, Inc., 4828 Racell St., Dallas, Tex.
Snyder Tank Corp., 3778 Lake Shore Blvd. (P. O. Box 14), Buffalo 5, N. Y. (Truck.)
Stolper Steel Products Corp., 300 Pilgrim Rd., Menominee Falls, Wis.
Western Metal Specialty Co., 1213 N. 62nd St., Milwaukee 13, Wis.
Whitehead & Kales Co., 58 Haltiner St., River Rouge, Mich. "W. & K." (Auxiliary truck.)

TANKS, Inner Tube Testing

Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Cal. "Brown."
Bishman Mfg. Co., Osseo, Minn.
Dover Stamping Co., 427 Plymouth Ave., Fall River, Mass.
Independent Iron Works 8th & Pine Sts., Oakland 20, Calif.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
Lawson Co., F. H., Evans & Whateley Sts., Cincinnati, Ohio.
Miller Rubber Products Co., 1254 S. High St., Akron, Ohio.
United States Steel Products Div. United States Steel Co., 5100 Santa Fe Ave., Los Angeles 58, Calif. "Boyco."

TANKS, METAL PARTS WASHING, See Washers (Metal Parts)

TANKS, Oil, Portable

(Tanks and pumps on wheels)

Bowser, Inc., S. F., 1302 E. Creighton Ave., Ft. Wayne 2, Ind.
Erie Meter Systems, Inc., 1602 Wagner Ave., Erie, Pa.
Gilbert & Barker Mfg. Co., Springfield, Mass. "Gilbarco Narro-Lube."
Grigg Specialty Tools, 8103 Marbisa Ave., Huntington Park, Calif.

TANKS, Trailer and Truck Body

Andrews Industries, Inc., 7901 Alabama Ave., St. Louis 11, Mo.
Atlas Body Corp., 4150 E. Thompson St., Philadelphia 37, Pa.
Auto Truck Steel Body Co., 3028 Carroll Ave., Chicago 12, Ill.
Beall Pipe & Tank Corp., 12005 N. Burgard St., Portland, Ore.
Boston Steel & Mfg. Co., 112 Bryant St., Malden 48, Mass.
Butler Mfg. Co., 7400 E. 13th St., Kansas City 38, Mo.
Chicago Stainless Equipment Corp., 5001 Elston Ave., Chicago 30, Ill. (Stainless steel, for milk.)
Columbian Steel Tank Co., 1409 W. 12th St., Kansas City 7, Mo.
Cutler Metal Products Co., 1029 Line St., Camden, N. J.
Eaton Metal Products Corp., 13th St. & Willis Ave., Omaha 2, Nebr.
Farrell Mfg. Co., 204 E. Cass St., Joliet, Ill.
Felker Bros. Mfg. Co., 22 N. Chestnut St., Marshfield, Wis.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Gar Wood Industries, Inc., Wayne Div., Wayne, Mich. "GW." (Truck.)
Gate City Steel-Boise, 4000 Warm Springs Ave., Boise, Idaho.
General Body & Hoist Co., Paris & Garvey Sts., Everett 49, Mass. "Universal."
Gramm Trailer Corp., First Lima Bldg., Lima, Ohio.
Heil Co., Dept. 6254, 3062 W. Montana St., Milwaukee 1, Wis. "Trailerized."
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Independent Iron Works, Eighth & Pine Sts., Oakland 20, Calif.
Industrial Steel Tank & Body Works, 5755 Landregan St., Emeryville, Calif.
Joplin Body & Trailer, Inc., 720 E. 5th St., Joplin, Mo. "Joplin Transporter."
Kaustine Co., Perry, N. Y.
Kennedy Tank & Mfg. Co., 1201 Beecher St., Indianapolis 7, Ind.
Koven & Bro., L. O., 154 Ogden Ave., Jersey City, N. J.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa. (Truck.)

with K-D Turn Signals

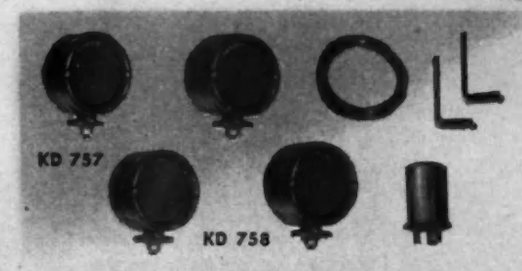
K-D SWITCHES FOR ALL

Turn Signal Sets

K-D Sets now packed less switches manual or self-cancelling optional inventories more flexible and compact.

KD 780NS Heavy duty Class A . . . silvered reflector . . . *glass lens.* KD 778 with two bulbs and two reflectors increases light output 40% over our design using two reflectors with a single bulb. Plus safety insurance for heavy-investment vehicles. Switch NOT included.

KD 770NS Economical, sturdy construction Class A Turn Signals with non-fading Lucite plastic lens. Attractive, streamlined appearance. Slim, trim two-face Amber Red KD 768 has minimum thickness and weight. Switch NOT included.



KD 760NS For the thrifty buyer, modern attractive Class B Turn Signals with *glass lens.* For all light trucks, pick-ups, panels, and all vehicles not requiring Class A Signals. Maximum maintained efficiency . . . correctly designed by K-D engineers. Switch NOT included.

The Complete Line These representatives of K-D's complete line of turn signals evidence K-D's valuable single-source-service of all automotive safety products.

K-D LAMP COMPANY

1910 ELM STREET • CINCINNATI 10, OHIO

WAREHOUSES: BOSTON - CHICAGO - LOS ANGELES
NEW YORK - PHILADELPHIA - SEATTLE - TORONTO

Door coils above the opening, completely out of the way.

Clears the entire opening — jamb to jamb, floor to lintel.

Opened door stays out of reach of wind or vehicles.

All surrounding floor and wall space is always fully usable.

Rugged all-steel curtain repels wind, fire, theft, vandalism.

Heavily galvanized curtain gives lasting resistance to elements.

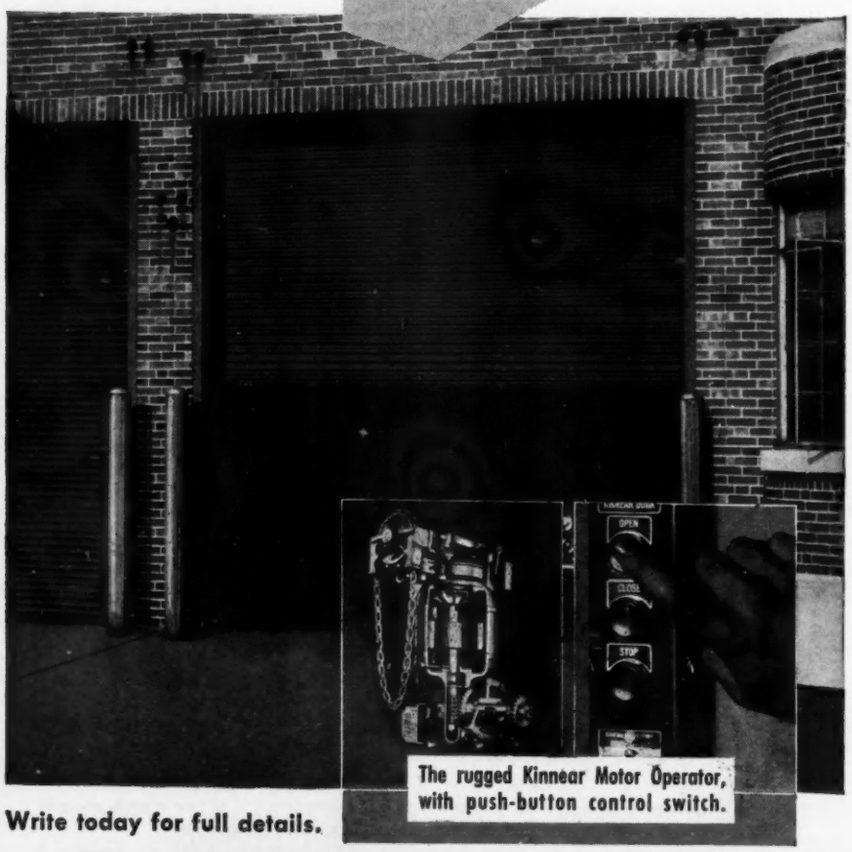
(1.25 ounces of pure zinc per square foot of metal, as per ASTM standards.) Kinnear Paint Bond — a hot phosphate immersion assures thorough, lasting paint grip.

Smooth, easy coiling upward action saves time and labor.

Ideal for motor operation; remote control switches if desired.

Any size; quickly, easily installed in old or new building.

Kinnear Steel Rolling Doors



The rugged Kinnear Motor Operator, with push-button control switch.

Write today for full details.

The KINNEAR Manufacturing Co.

Offices and Agents in Principal Cities

2100-20 Fields Ave.
Columbus 16, Ohio

Saving Ways in Doorways
KINNEAR ROLLING DOORS

1742 Yosemite Avenue
San Francisco 24, Calif.

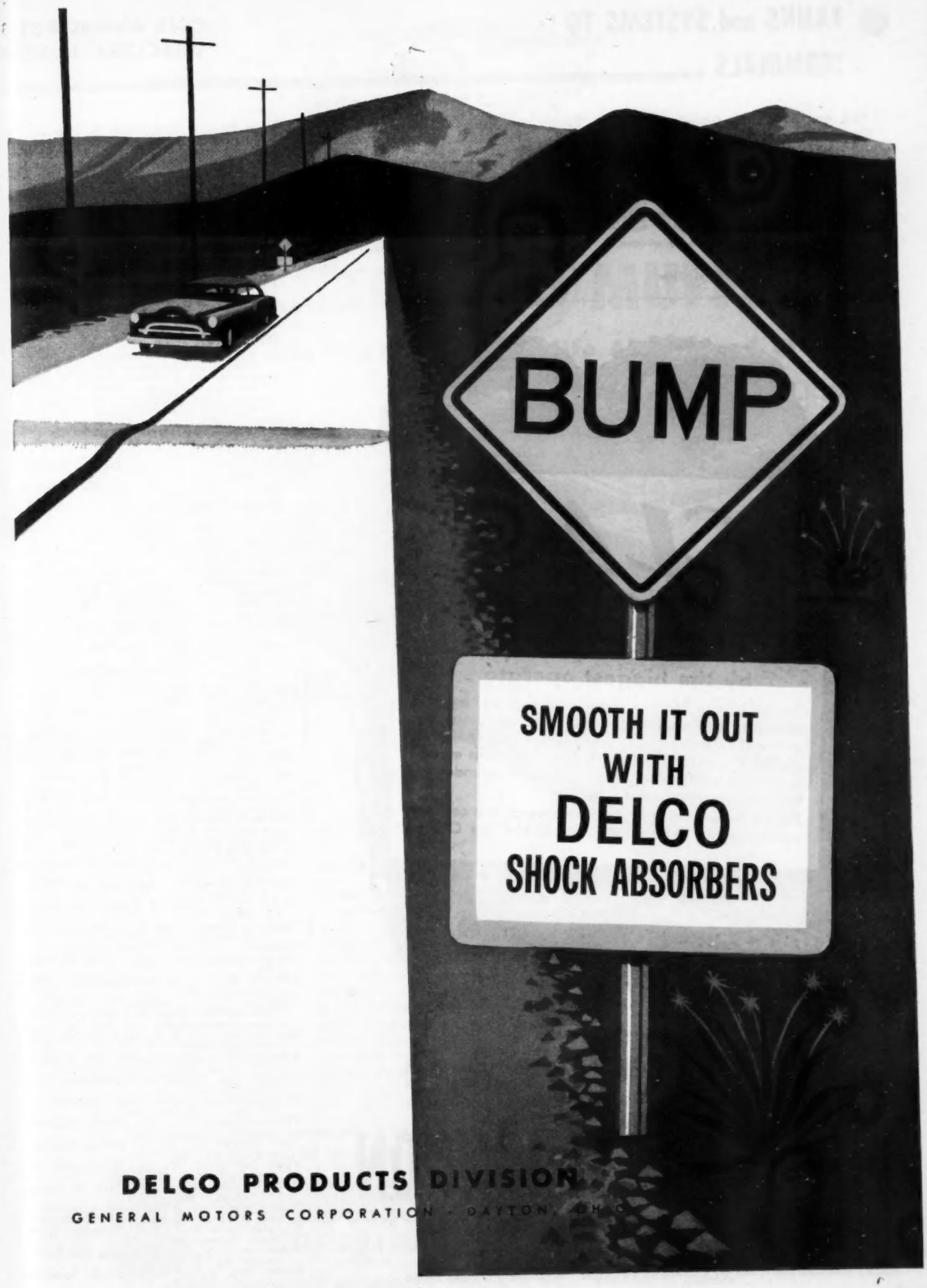
TANKS

TANKS, Trailer & Truck Body—cont'd

Morysville Body Works, 813 S. Reading Ave., Boyertown, Pa.
Niles Steel Tank Co., Niles, Mich. "Lifetime."
Pacific Coast Engr. Co., Oak & Clement Sts., Alameda, Calif. "Paceco" (To Order).
Pennsylvania Furnace & Iron Co., 316 Pine St., Warren, Pa.
Press' Sons, Inc., Jacob, 501 W. 33rd St., Chicago 16, Ill.
Progress Mfg. Co., Oil Equipment Div., Arthur, Ill.
Providence Body Co., 750 Wellington Ave., Cranston, R. I. (Truck.)
Quaker City Iron Works, Aramingo & Ontario Sts., Philadelphia 34, Pa. (Truck.)
Rock Hill Body Co., W. Main St., Rock Hill, S. C. (Truck.)
Roehlk Spring and Body Co., 417 S. 15th St., St. Louis 3, Mo. (Milk.)
Sharpsville Steel Fabricators, Inc., Sharpsville, Pa. (Truck.)
Springfield Body & Trailer Co., 1631 College St., Springfield, Mo.
Stainless Steel Products Co., 1000 Berry Ave., St. Paul 14, Minn. "Certified." (Stainless steel.)
Standard Steel Works, 16th & Howell Sts., North Kansas City 16, Mo.
Steel Products Co., P. O. Box 1007, Savannah, Ga.
Stewart & Stevenson Services, Inc., 4516 Harrisburg, Blvd., Houston, Tex.
Stoughton Cab & Body Co., 408 E. South St., Stoughton, Wis. (Milk.)
Superior Metal Products, Inc., Branson & 18th Sts., Marion, Ind. (Truck, to order.)
Truck Welding & Equipment Co., 739 Ninth Ave., N., Seattle 9, Wash. (Truck.)
Veenema & Wiegers, Inc., 241 N. Tenth St., Paterson 2, N. J.
Wentworth & Irwin, Inc., 123 N. E. Oregon St., Portland 14, Ore. (Truck.)
Wichita Body & Equipment Co., 1926 N. Broadway, Wichita 12, Kan. (Live fish transport.)
Wilco, Inc., 400 E. Decatur St., Kenton, Ohio.
Wright Co., Thomas, 185 Dey St., Jersey City 6, N. J.

TANKS and SYSTEMS, Gasoline and Oil Storage

Airtherm Mfg. Co., 700 S. Spring Ave., St. Louis 10, Mo.
Biggs Boiler Works Co., 1007 Bank St., Akron, Ohio.
Birmingham Tank Co., Div. of Ingalls Iron Works Co., 620 Ave. D, Birmingham, Ala. "Birtank." (Tanks.)
Bowser, Inc., 1302 E. Creighton Ave., Fort Wayne 2, Ind.
Butler Mfg. Co., 7400 E. 13th St., Kansas City 3E, Mo.
Chicago Boiler Co., 1965 Clybourn Ave., Chicago 14, Ill. "Red Head." (Tanks.)
Columbian Steel Tank Co., 1409 W. 12th St., Kansas City 7, Mo.
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Eaton Metal Products Corp., 13th St. & Wills Ave., Omaha 2, Nebr.
Erie Meter Systems, Inc., 1602 Wagner Ave., Erie, Pa. (Systems.)
Farrell Mfg. Co., Joliet, Ill.
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Independent Iron Works, 8th & Pine Sts., Oakland 20, Calif.
Kaustine Co., Perry, N. Y. (Tanks.)
Kennedy Tank & Mfg. Co., 1201 Beecher St., Indianapolis 7, Ind.
Koven Bros., Inc., L. O., 154 Ogden Ave., Jersey City, N. J.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Niles Steel Tank Co., Niles, Mich. "Lifetime."
Petroleum Systems, Inc., 2914 E. Grand Blvd., Detroit 2, Mich. (Hydraulic flotation system.)
Prior Products, Inc., 4828 Racell St., Dallas, Tex.
Progress Mfg. Co., Oil Equipment Div., Arthur, Ill.
Quaker City Iron Works, Aramingo & Ontario Sts., Philadelphia 34, Pa.
Richmond Engineering Co., Seventh & Hospital Sts., Richmond 1, Va. "Reco." (Tanks.)
Sharpsville Steel Fabricators, Inc., Sharpsville, Pa.
Smith Mfg. Corp., Grover, 850 E. Valley Blvd., San Gabriel, Calif. "Grover."



DELCO PRODUCTS DIVISION
GENERAL MOTORS CORPORATION · DAYTON, OHIO

TANKS and SYSTEMS, Gasoline and Oil Storage—*continued*

United States Steel Products Div. United States Steel Co., 5100 Santa Fe Ave., Los Angeles 58, Calif. "Boyco." (Tanks.)
Wayne Pump Co., 1432 State Ave., Cincinnati 4, Ohio.
Western Metal Specialty Co., 1213 N. 62nd St., Milwaukee 13, Wis.
Wood Co., John, Bennett Pump Div., Muskegon, Mich. "Bennett."

TAPE, MASKING, See Masking, Tape

TAPPETS, Valve

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Chicago Screw Co., 2701 Washington Blvd., Bellwood, Ill. (Hydraulic and mechanical.)
Diesel Equipment Div., General Motors Corp., 2100 Burlingame Ave. S.W., Grand Rapids 2, Mich. (Hydraulic.)
Eaton Mfg. Co., Saginaw Div., 9771 French Rd., Detroit, Mich. "Zero-Lash." (Also hydraulic and self-adjusting.)
Ertel Mfg. Co., 2045 Martindale Ave., Indianapolis 7, Ind.
Ertel Products Corp., 1400 E. 20th St., Indianapolis, Ind.
Highland Machine Co., 3215 Superior Ave., Cleveland 14, Ohio.
Johnson Products, Inc., 1185 E. Keating Ave., Muskegon, Mich.
S-M Tappet Sales, 600 E. San Christopher Drive, Dunedin, Fla. "S-M." (Hydraulic and mechanical.)
Wohlert Corp., 700 E. Grand River Drive, Lansing 6, Mich.
Wolverine Gear & Parts Co., Osseo, Mich.

TARPAULINS, See Covers, Truck

TELEPHONES, MOBILE, See Radios, Two-Way

CLAW Tire Chains are made in all sizes to fit all automobiles, trucks and busses. Singles and duals. All feature the easy-on "finger pressure" Blue Boy fasteners.

COLUMBUS McKINNON
CHAIN CORPORATION
General Offices and Factories: TONAWANDA, NEW YORK
Plants at Dixon, Ill.; St. Catharines, Ont., Can.; Johannesburg, South Africa

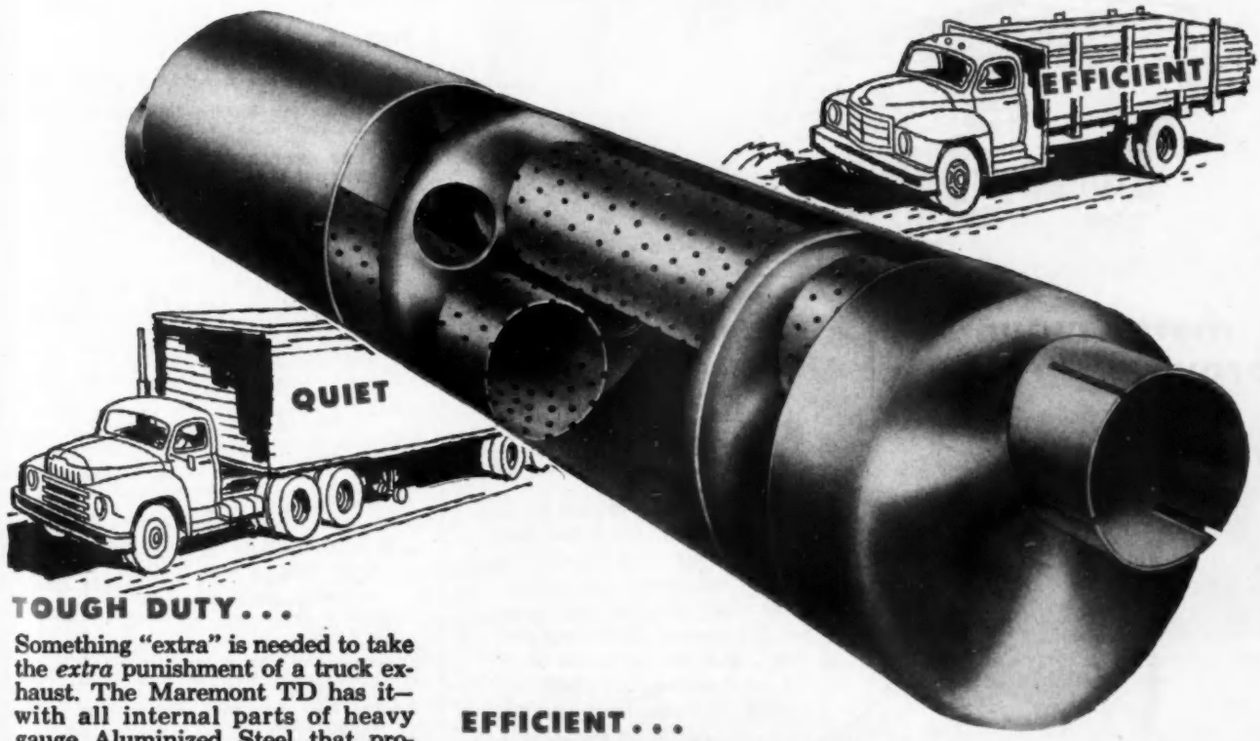
TERMINALS, Wire

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Aircraft-Marine Products, Inc., 2100 Paxton St., Harrisburg, Pa. "AMP." (Solderless.)
American Electric Cable Co., 181 Appleton St., Holyoke, Mass. "Lusterlac."
Andrews Mfg. Co., 924 S. Theresa Ave., St. Louis 3, Mo.
Ark-Les Switch Corp., 51 Water St., Watertown 72, Mass.
Barcy-Nicholson Co., 8100 Joy Rd., Detroit 4, Mich.
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
Champion Cable Co., 1805 E. 40 St., Cleveland 3, Ohio.
Clark Cable Corp., 11201 Berea Rd., Cumberland 2, Ohio.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co., Wire & Cable Div., 3529 24th St., Fort Huron, Mich. "Sterling."
Electric Auto-Lite Co., Wire & Cable Div., Hazleton, Pa.
Grand Haven Brass Foundry, 230 N. Hopkins St., Grand Haven, Mich.
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Inter-Continent Mfg. Co., 117 E. 13th St., Chicago 5, Ill. "Imco."
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin'."
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Metal Craft Co., 3300 Doris Ave., Detroit 6, Mich.
Monarch Insulated Wire Co., 491 Broadway, New York, N. Y.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Ohio Parts Co., Theresa St. & Chouteau Ave., St. Louis 3, Mo.
Packard Electric Div., General Motors Corp., Warren, Ohio.
Patton-MacGuyer Co., Baker St. & Virginia Ave., Providence 5, R. I.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Rajah Co., 53 Locust Ave., Bloomfield 53, N. J.
Realflex Products Co., 335 38th St., Brooklyn 32, N. Y.
Richards Mfg. Co., 20 E. Herman St., Philadelphia 44, Pa.
Shakeproof Div. of Illinois Tool Works, St. Charles Rd., Elgin, Ill., 2501 N. Keeler Ave., Chicago 39, Ill.
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y.
Stimpson Co., Edwin B., 70 Franklin Ave., Brooklyn, N. Y.
Thompson-Bremer & Co., 520 N. Dearborn St., Chicago 10, Ill. "Everlock."
Triple-A-Specialty Co., 2101 Walnut St., Chicago 12, Ill.
Vaco Products Co., 317 E. Ontario St., Chicago 11, Ill. "Lynn."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Wade Electric Products Co., 211 N. Jacobs St., Sturgis, Mich.
Walker Bros., River & End Sts., Conshohocken, Pa. "Walker of Conshohocken," "Clipper."
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
White, Inc., J. M., 11th & Cambria Sts., Philadelphia 33, Pa. "Triplex."
Zierick Mfg. Corp., Beechwood & Rockdale Aves., New Rochelle, N. Y.

Exceptional "Hush" Performance for Trucks

New MAREMONT TD MUFFLER

with the "heart" of long-life Aluminized Steel



TOUGH DUTY...

Something "extra" is needed to take the *extra* punishment of a truck exhaust. The Maremont TD has it—with all internal parts of heavy gauge Aluminized Steel that protects the "heart" of the muffler... defies the 1250° heat of truck exhausts that burns out even heavier gauge cold-rolled steel. Yes, Aluminized Steel increases TD muffler life 2 to 3 times that of ordinary truck mufflers. AND, all TD muffler parts are fully arc welded for added rigidity. Both end caps and internal supports are dome shaped for greater strength. No other muffler compares with TD for ruggedness.

EFFICIENT...

Fuel-robbing, power-wasting back pressure is cut to an absolute minimum with TD's free-flow design. Tests prove that Maremont TD mufflers operate at 30% to 50% less back pressure than ordinary truck mufflers . . . provide better engine performance, better gas mileage, more road horsepower. With TD... efficiency goes up... costs go down. No other muffler compares with TD for operating economy.

QUIET...

TD's specially designed tuning chambers filter out high frequency noises while modifying low frequency tones. You get exceptional "hush" performance, because all Maremont TD mufflers operate under 100 Sones. No other muffler compares with TD for quietness.

Maremont's TD line solves every truck operator's muffler problems... in every way

ASK YOUR MAREMONT JOBBER ABOUT THE TD LINE

MAREMONT MUFFLERS

The right design... for every engine!

MAREMONT AUTOMOTIVE PRODUCTS, INC. Chicago 8, Illinois

A UNIT OF MAREMONT SINCE 1877

TESTERS, BATTERY, See Instruments, Storage Battery Testing

TESTERS, Bearing Wear

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A. D. I."
Bennett-Feragen, Inc., 1408 Jerome St., Niles, Mich.
Federal-Mogul Service, 11031 Shoemaker Rd., Detroit 18, Mich.
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.

TESTERS, Brake

(See Gages, Brake Drum; Gages, Brake Shoe)
American Instrument Co., Silver Spring, Md.
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bendix Products Div. of Bendix Aviation Corp., 401 Bendix Drive, South Bend, Ind. "Cowdrey."
Bennett-Feragen, Inc., 1408 Jerome St., Niles, Mich.
Permafuse Corp., 675 Main St., Westbury, N. Y.
Tapley Products, 53 Park Pl., N. Y. 7, N. Y. (Decelerometer.)

Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. "Safety Lane."

TESTERS, Cylinder Block

K & W Products, Inc., 8319 Allport Ave., Whittier, Calif.
Magnaflux Corp., 7300 W. Lawrence Ave., Chicago 31, Ill. "Magnaflux," "Zyglo," "Stresscoat."
Moguloid Co. of America, 3520 W. Carroll St., Chicago 24, Ill.

TESTERS, Diesel Equipment

Automotive Products, Inc., 1700 Grand Ave., Portland 19, Ore.
Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa.
Buda Co., Div. of Allis-Chalmers Mfg. Co., 154th St., & Commercial Ave., Harvey, Ill.

TESTERS, Driver

Allgaier, Earl, Arlington, Va.
Keystone View Co., Hamilton & Crandall Sts., Meadville, Pa.
Porto-Clinic Instruments, Inc., 298 Broadway, New York 14, N. Y.

TESTERS, ELECTRICAL, See Instruments, Electrical Circuit Testing

TESTERS, ENGINE, See Analyzers, Trouble

TESTERS, Fuel Pump

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Airtex Automotive Div., Airtex Products, Inc., Fairfield, Ill.
Arsco Mfg. & Sales Corp., 453 Tenth Ave., New York 18, N. Y.
Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa. (Diesel.)
Fischer & Porter Co., 700 Warminster Rd., Hatboro, Pa. "Mileorator."
Gale-Hall Engrg., Inc., North Hampton, N. H. "Precision."
Hygrade Products Div., Standard Motor Products, Inc., 32-18 Northern Blvd., Long Island City, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Schauer Mfg. Co., 4500 Alpine Ave., Rossmoyne, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Weidenhoff, Inc., Jos., Algona, Iowa.

TESTERS, Gasoline Mileage

Bennett-Feragen, 1408 Jerome St., Niles, Mich.
Fischer & Porter Co., 700 Warminster Rd., Hatboro, Pa. "Mileorator."
Gale-Hall Engrg., Inc., North Hampton, N. H. "Precision."
Gauthier, Donat A., 7416 Poe Ave., Detroit 6, Mich. "Consometer," "Gauthier," "Vacomat."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Snow Plastics Corp., 5840 S. Oakley Ave., Chicago 36, Ill.

TESTERS, Headlight, Optical

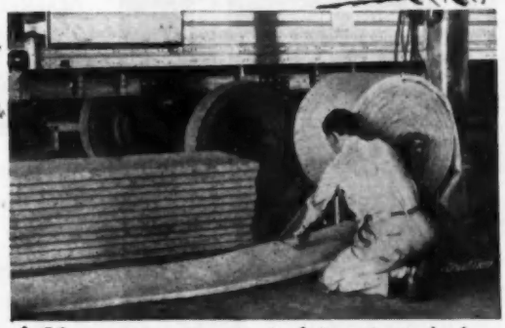
Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing, Mich.
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Heyer Industries, Inc., 471 Cortlandt St., Belleville 9, N. J.
Manbee Equipment, Div., Bear Mfg. Co., 1615 N. Wabash Ave., Chicago 1, Ill.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. "Rayoscope."

TESTERS, INNER TUBE, See Tanks, Inner Tube Testing

Microlite Insulation Keeps 'Em at ZERO

ALTERMAN FLEET OF GREAT DANE REFRIGERATED TRAILERS ARE TEMPERATURE-CONTROLLED BY MICROLITE GLASS FIBER INSULATION

Dispatched from terminals in Miami, Tampa, Orlando and Jacksonville, Alterman refrigerated trailers built by Great Dane haul frozen foods and frozen citrus products to the northeast and midwest, and bring beef and other foods back to Florida. Microlite insulation keeps them at cargo-protecting zero.



▲ *It's an easy, one-man task to cut required lengths from Microlite rolls.*

▼ *Goes in fast without clips or adhesives.*

Microlite glass fiber insulation is being used exclusively in famous Great Dane Refrigerated Trailers for two very good reasons:

1. Great Dane Refrigerated Trailers are temperature-controlled. Even under the most extreme conditions a Great Dane will hold a constant selected temperature. That calls for a highly effective, completely dependable insulation. That's why the Great Dane people chose Microlite. Half pound density has a "k" value of .26 at 75° F. One pound .21 at 75° F. And once installed it is permanent, won't shake down. Reason: Microlite is over 90% air, less than 10% glass. Millions of tiny air pockets not only give it great insulation efficiency but also great resiliency with resulting high resistance to settling.

2. Great Dane Cargo Freezers are the lightest weight zero-temperature trailers built. That's another reason why the Great Dane people chose Microlite. To give you an idea of how light it is: 24 square feet of one and one-half inch, half pound density Microlite weigh only 24 ounces. No excess baggage there. Furthermore, Microlite is soft and non-itching, easily cut to shape, readily handled and installed by one man. In short, a great insulation for a great trailer—the Great Dane.

If you are a trailer manufacturer or a fleet owner you should certainly have a sample of Microlite and our informative folder. Write to Glass Fibers Inc., 1810 Madison Avenue, Toledo 2, Ohio.

GLASS FIBERS *INC.*

Makers of glass fibers by the ELECTRONIC–EXTRUSION process ... developed, patented and used exclusively by Glass Fibers Inc.

VITRON Glass Textile Yarns • Rovings • Micro-Fibers
DURAMAT Vapor Barriers • **BLUE FLAG** Pipe Wrap
MICROLITE Thermal and Acoustical Insulation
VIBRAGLASS Mounting and Packaging Materials
COUSTIC-AIRE and **THERMO-JET** Aircraft Insulations

TESTERS, Inspection for Cracks in Parts

Magnaflux Corp., 5900 NW Highway, Chicago 31, Ill. "Magnaflux," "Zyglo," "Stresscoat."
Northrop Aircraft Co., 1001 E. Broadway, Hawthorne, Calif.

TESTERS, Radiator

Fisher & Porter Co., 700 Warminster Rd., Hatboro, Pa. "Flowrator."
Inland Mfg. Co., 1108 Jackson St., Omaha 8, Neb.

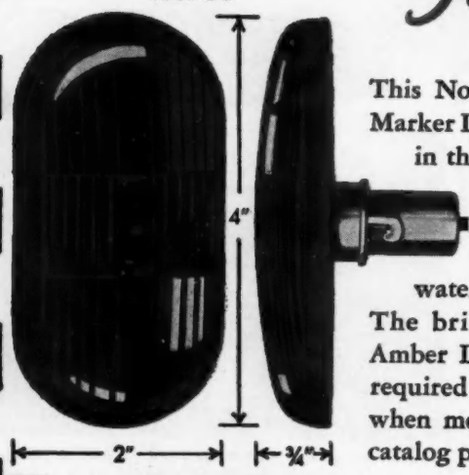
TESTERS, Spark Plug

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Acme Electric Corp., Cuba, N. Y.
Atmars-Mechanico, 3561 Lakeshore Ave., Oakland 10, Calif.
B. G. Corp., 136 W. 52nd St., New York 19, N. Y.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Champion Spark Plug Co., 900 Upton Ave., Toledo, Ohio.
Cropley Instruments, 10 S. River St., Aurora, Ill.
Fleetcraft, Inc., 111 W. Monroe Ave., Chicago 1, Ill.
Globe-Union, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Kant-Shok."
King Electric Equipment Co., 9115-23 Inman Ave., Cleveland 5, Ohio.
Wudel Mfg. Co., Edmund J., 6082 Ferguson Dr., Los Angeles 22, Calif. "Vixen."

THIS NEW DIETZ No. 56 CLEARANCE-MARKER LIGHT MOUNTS

Fast... Flush... and Easy!

No. 56



This No. 56 DIETZ Clearance and Marker Light stays out of trouble even in the tightest spots . . . the shallowest, narrowest construction, yet full 180° visibility. Features a diecast body, water, dust and corrosion-proof. The brilliant, shockproof Red or Amber Lens snaps on — no retainer required . . . completely conceals body when mounted. 6v. or 12v. Ask for catalog page and prices NOW!

DIETZ NO. 200 FLASHING EMERGENCY LIGHT

For All 'Round Safety!

This new No. 200 DIETZ Light has full 360° visibility . . . mounts without disassembling. Available with Red, Amber or Blue Lenses. Diameter 6". Height 6¼". 6v. or 12v. 50 candlepower bulb. Flasher and Switch included. Ask for catalog page and prices today.

R. E. DIETZ COMPANY • 225 WILKINSON ST., SYRACUSE 1, N.Y.

DIETZ

TESTERS, Valve and Clutch Spring

Accurate Parts Mfg. Co., 12435 Euclid Ave., Cleveland 6, Ohio. (Valve.)
Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids, Iowa. "Kwik-Way."
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto." (For valve and clutch springs.)
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Sturtevant Co., P. A., Addison, Ill.
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.

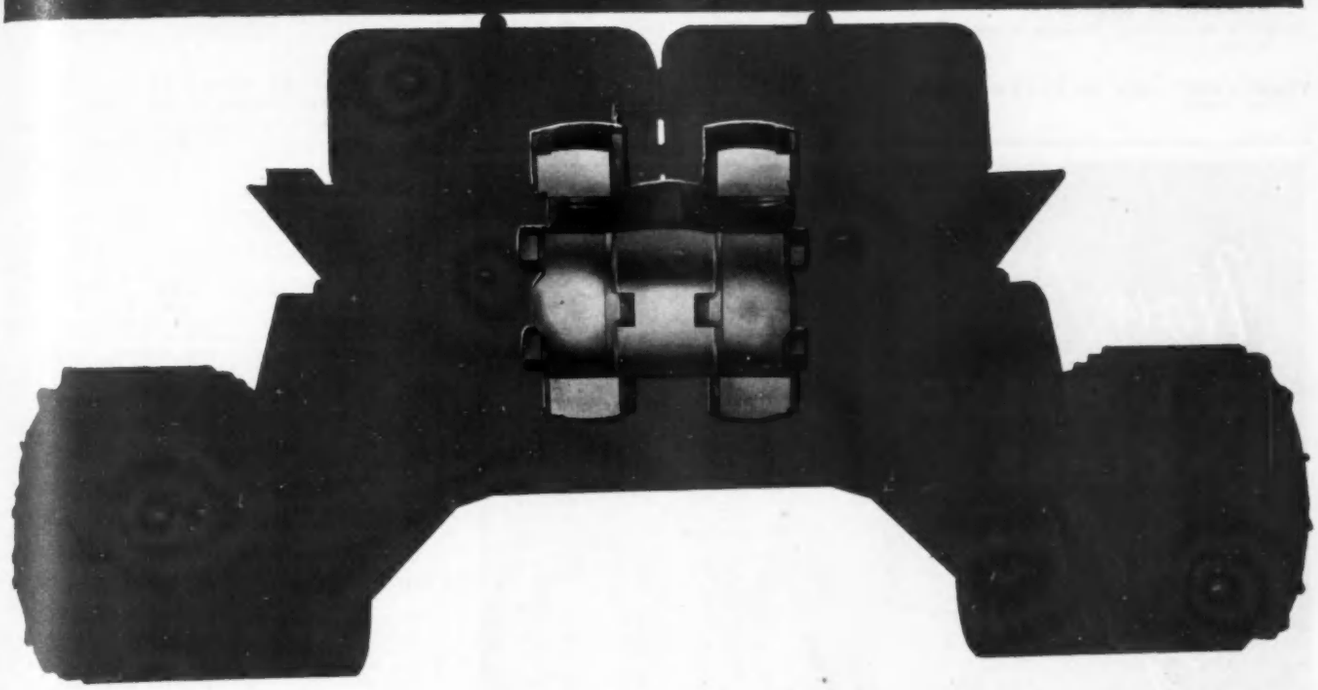
THERMOMETERS, Recording and Indicating

Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa.
Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Bristol Co., Waterbury 20, Conn.
Dillon Co., W. C., 14620 Keswick St., Van Nuys, Calif.
Electric Auto-Lite Co., Instrument & Gage Div., La Crosse, Wis.
Foxboro Co., Neponset Ave., Foxboro, Mass.
Freas Glass Works, Francis L., 140 E. Ninth Ave., Conshohocken, Pa. (Battery.)
Gotham Instruments, Div. of American Machine & Metals, Inc., 233 Broadway, New York 7, N. Y.
Illinois Testing Laboratories, 420 N. LaSalle St., Chicago, Ill.
Kocour Co., 4800 S. St. Louis Ave., Chicago 32, Ill. (Indicating.)
Lewis Engineering Co., 339 Church St., Naugatuck, Conn.
Minneapolis-Honeywell Regulator Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
Powers Regulator Co., 3400 Oaktown St., Spokie, Ill.
Precision Thermometer & Instrument Co., 1465 Brandywine St., Philadelphia 30, Pa. "Princo." (Indicating.)
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Standard Dry Kiln Co., P. O., Box 5708, Indianapolis 21, Ind.
Taylor Instrument Companies, 95 Ames St., Rochester 1, N. Y.
United States Gauge Div., of American Machine & Metals, Inc., Sellersville, Pa.
Weston Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J. "Max-Min."

THERMOSTATS

Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Bishop & Babcock Mfg. Co., 4901 Hamilton Ave., N. E., Cleveland 14, Ohio.
Bridgeport Thermostat Div., Robertshaw-Fulton Co., 1225 Connecticut Ave., Bridgeport 1, Conn.
Burd Piston Ring Co., HaDees Heater Div., Tenth St. & 23rd Ave., Rockford, Ill. "HaDees."
Dole Valve Co., 1901 Carroll Ave., Chicago 12, Ill.
Evco Products Co., 160 W. 62 St., N. Y. 23, N. Y.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Flexon."
Fulton Sylphon Div., Robertshaw-Fulton Controls Co., W. Cumberland St., Knoxville 4, Tenn. "Sylphon," "Sylphon Autostat."
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y.
Hawk Tool & Engrg. Co., 20 W. Washington St., Clarkston, Mich. "Divert-A-Flo." (Sole distributors, Nason Co., 20 W. Washington St., Clarkson, Mich.)
Minneapolis-Honeywell Regulator Co., 2747 Fourth Ave., S., Minneapolis 8, Minn. "Honeywell's Moduflow" (control systems, for buses.)

COMPACT



MECHANICS close-coupled type Roller Bearing UNIVERSAL JOINTS are specially designed for operation within cramped quarters, and where shafts are out of alignment — as in twin-tractor power unit silhoutted above and in rear engine cars, tractors, trucks and busses. Let our engineers show you how these MECHANICS joints will conserve space and compensate for offset shafts, in your new models. These joints fit into spaces that engineers formerly considered too short for universal joints. Our new catalog — showing complete line of MECHANICS Roller Bearing UNIVERSAL JOINTS and containing handy joint tracing kits — will be sent to manufacturers, upon request.

MECHANICS UNIVERSAL JOINT DIVISION
Borg-Warner • 2034 Harrison Ave., Rockford, Ill.

MECHANICS

Roller Bearing B-W

UNIVERSAL JOINTS

For Cars • Trucks • Tractors • Farm Implements • Road Machinery • Aircraft • Tanks • Busses and Industrial Equipment

THERMOSTATS—*continued*

Ranco, Inc., 601 W. 5th Ave., Columbus 1, Ohio.
Spencer Thermostat Div., Metals & Control Corp., 34 Forest St., Attleboro, Mass.
Standard-Thomson Corp., Vandalia, Ohio.
United Electro Control Co., 85 School St., Watertown 72, Mass.
United Motor Service, General Motors Bldg., Detroit 2, Mich.

THIRD AXLE UNITS, See Axle Units, Third, for Trucks

THREAD, Inserts

Groov-Pin Corp., 1125 Hendricks Causeway, Ridgefield, N. J.
Heli-Coil Corp., Shelter Rock Lane, Danbury, Conn.
National Screw & Mfg. Co., 2440 E. 75th St., Cleveland 4, Ohio.
Roylyn, Inc., 1706 Standard Ave., Glendale 1, Calif.
South Chester Corp., 1418 South Penn Square, Philadelphia 2, Pa.

THREAD RESTORING TOOLS, See Tools Thread Restoring

TIMING CHAINS, See Chains, Timing

ECHLIN MANUFACTURING COMPANY, 234 EAST STREET, NEW HAVEN 5, CONN.

TIRE, Branding Irons

Everhot Mfg. Co., 57 S. 19th Ave., Maywood, Ill.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa.
Merkert & Sons, 146-10 Jamaica St., Jamaica, N. Y.
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.
Vulcan Electric Co., 88 Holten St., Danvers, Mass.

TIRE BUFFERS, See Buffers, Tire (Electric)

TIRE CARRIERS, See Carriers, Tire

TIRE CHAINS and EQUIPMENT, See Chains, Tire; also Adjusters, Tire Chains

TIRES, Pneumatic

Armstrong Rubber Co., 475 Elm St., West Haven 16, Conn.
Armstrong-Norwalk Corp., Glover Ave., Norwalk, Conn.
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Corduroy Rubber Co., Fuller Ave. & G. T. Tracks, Grand Rapids 1, Mich.
Dayton Rubber Co., Box 1004, Dayton, Ohio.
Denman Rubber Mfg. Co., Warren, Ohio.
Dunlop Tire & Rubber Corp., Sheridan Drive, Buffalo 7, N. Y.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Fisk Tire Co., Div. U. S. Rubber Co., 1230 Ave. of the Americas, New York 20, N. Y.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Inland Rubber Corp., 431 S. Dearborn St., Chicago 5, Ill.
Kelly-Springfield Tire Co., Cumberland, Md.
Laher Tire & Rubber Co., of Calif., Oakland, Calif. "Mustang."
Lee Rubber & Tire Corp., Conshohocken, Pa.
McCreary Tire & Rubber Co., Box 700, Indiana, Pa.
Mansfield Tire & Rubber Co., 515 Newman St., Mansfield, Ohio.
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Mohawk Rubber Co., 1235 Second St., Akron 5, Ohio.
Pennsylvania Tire Co., P. O. Box 377, Mansfield, Ohio.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Schenuit Rubber Co., Frank G., Railroad & Union Aves., Baltimore 11, Maryland.
Seiberling Rubber Co., Akron, Ohio.
Socony-Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

TIRES, Solid

Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

TIRE GAGES, See Gages, Tire Pressure

TIRE INFLATORS, See Chucks, Air (Tire Inflating); also Meters, Air Tower

TIRE RECAPPING MOLDS, See Molds, Tire Recapping and Retreading

TIRE REGROOVERS, See Regroovers, Tire

TIRE REMOVING TOOLS, See Tools, Tire Removing and Replacing

TIRE REPAIR MATERIALS, See Compounds, Tire Repair

TIRE REPAIR TOOLS, See Tools, Tire

TIRE SPREADERS, See Tools, Tire Spreading

TIRE TREAD SERVICE

Hawkinson Co., Paul E., Winter St., Minneapolis, Minn.
Penetred Corp., Marshfield, Wis. (Steel coil tread.)
Webster Rubber Co., Warren, Ohio.

Truck Muffler You Want-

•Safety •and SILENCE

Never before have you been able to get such a muffler! The new AP Heavy Duty Truck Muffler has *everything* you want.

Of course, you want *low back pressure*. AP gives it to you because of the "S-Flow" design and non-clogging extruded holes. Of course, you want *long life*. AP gives it to you because of rugged, heavy steel construction (weight up to 42 lbs.). Of course, you want *safety*. AP gives it to you because all-welded construction and precision fitted nipples minimize carbon monoxide dangers.

And of course, you want *silence*—to silence the complaints of law officers and civic groups. AP gives it to you because special resonating chambers dissipate noise.

You can't beat this new AP Heavy Duty Truck Muffler. So get full information including free catalog from your AP wholesaler or write us today.

THE AP PARTS CORPORATION
1153 AP Building • Toledo 1, Ohio
Manufacturers of: MUFFLERS • PIPES • MIRACLE POWER • dgf 123

Fleet Course Directory

Alabama—M. O. Hulsey, Trades and Industrial Education Dept., University of Alabama, University.

California—(1) Bob Glenn, Institute of Transportation and Traffic Engineering, University of California, Berkeley 4, and (2) J. H. Mathewson, Institute of Transportation and Traffic Engineering, University of California, Los Angeles 24.

Colorado—W. M. Lewis, Program Coordinator, University of Denver, Denver.

Florida—G. Manuel Turner, General Extension Division, University of Florida, Gainesville.

Georgia—G. L. Gifford, Dept. of Motor Transportation, University of Georgia, Atlanta.

Illinois—(1) Glenn V. Carmichael, Training Division, The Traffic Institute, Northwestern University, Evanston, and (2) H. S. Hall, College of Commerce and Business Administration, University of Illinois, Urbana.

Indiana—D. A. Weaver, Public Safety Institute, Purdue University, Lafayette.

Iowa—Marvin E. Gould, Engineering Extension Services, Iowa State College, Ames.

Louisiana—H. A. Flanakin, College of Engineering, Louisiana State University, Baton Rouge 3.

Maryland—S. S. Steinberg, College of Engineering, University of Maryland, College Park.

Massachusetts—Frank M. Cushman, Traffic Management Institute, Northeastern University, Boston 15.

Michigan—(1) John C. Kohl, Transportation Institute, University of Michigan, Ann Arbor, and (2) Bernard I. Loft, Continuing Education, Michigan State College, East Lansing.

Minnesota—Fred Berger, Center for Continuation Study, University of Minnesota, Minneapolis 14.

Missouri—Willis H. Reals, University College, Washington University, St. Louis 5.

Montana—E. W. Schilling, Division of Engineering, Montana State College, Bozeman.

Nebraska—R. W. Mills, Community Service and Institutes, University of Nebraska, Lincoln 8.

New Hampshire—Frank H. Plaisted, University Extension Service, University of New Hampshire, Durham.

New Jersey—William J. Daw, University Extension Division, Rutgers University, New Brunswick.

New York—(1) Herbert J. Stack, Center for Safety Education, New York University, New York 11, and (2) Burton P. Crandall, Syracuse University, Syracuse 10.

North Carolina—Edward W. Ruggles, College Extension Division, North Carolina State College, Raleigh.

Ohio—Kenneth Lawyer, School of Business, Western Reserve University, Cleveland 6.

Oklahoma—F. Lee Hayden, Extension Division, University of Oklahoma, Norman.

Oregon—Martin P. Coopey, Dept. of Civil Engineering, Oregon State College, Corvallis.

Pennsylvania—Amos E. Neyhart, Institute of Public Safety, The Pennsylvania State University, State College.

Tennessee—C. E. Kuhlman, College of Business Administration, The University of Tennessee, Knoxville.

Texas—(1) James R. D. Eddy, Division of Extension, University of Texas, Austin 12, and (2) Vernon L. Engberg, Dept. of Transportation and Foreign Trade, University of Houston, Houston 4.

Virginia—John Kinker, Extension Division, University of Virginia, Charlottesville.

Washington—Fred H. Rhodes, Jr., Dept. of Civil Engineering, University of Washington, Seattle.

Wisconsin—Ralph D. Smith, Extension Offices, Stadium, University of Wisconsin, Madison 6.

NOT LIKE THE REST...

KESTER'S BEST

KESTER SOLDER

KESTER SOLDER COMPANY
4205 WRIGHTWOOD AVENUE, CHICAGO 39, ILLINOIS
NEWARK 5, NEW JERSEY • BRANTFORD, CANADA

TIRE VULCANIZERS TO TOOLS

TIRE VULCANIZERS, See Vulcanizers, Portable and Vulcanizer, Shop

TOOLS, Battery Service

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill., (Terminal crimpers.)
Bergman Tool Mfg. Co., 1573 Niagara St., Buffalo 13, N. Y. "Blue Bird." (Pliers, terminal tools, etc.)
Bishman Mfg. Co., Osseo, Minn.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Champion DeArment Tool Co., 1306 S. Main St., Meadville, Pa. "Channellock." (Pliers and clippers.)
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 99, Ill.
General Scientific Equip. Co., 27th & Huntingdon Sts., Phila. 32, Pa.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis. (Terminal pullers.)
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
McColpin-Christie Corp., 3410 W. 67th St., Los Angeles 43, Calif. "C. & C."
Murray Corp., Towson 4, Md.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto." (Terminal pullers.)
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. (Terminal pullers.)
Utica Drop Forge & Tool Corp., 2500 Whitesboro St., Utica 4, N. Y. (Pliers.)
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo. (Pliers.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

TOOLS, Body and Fender Repair, Hand

A-B-C Mfg. Co., 2757 N. Ruth St., Phila. 34, Pa.
Acorn Mfg. Co., 33rd & Reed Sts., Erie, Pa. "Amco."
Auto Specialties Mfg. Co., 643 Graves St., St. Joseph, Mich. "Ausco."
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Chicago Tool & Kit Mfg. Co., 230 N. Jefferson St., Chicago 6, Ill. (Hammers.)
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Fairmount Tool & Forging Co., 10611 Quincy Ave., Cleveland 6, Ohio.
Heller Bros. Co., Newcomerstown, Ohio. (Files, etc.)
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Keysco Mfg. Co., 1244 E. 12th St., Oakland 6, Calif.
New Britain Machine Co., South St., New Britain, Conn.
Nicholson File Co., 23 Acorn St., Providence 1, R. I. "Nicholson Superior." (Files.)
Nolvex File Co., 10329 Detroit Ave., Cleveland 2, Ohio. (Body files.)
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto."
Penn Fibre & Specialty Co., 2024 E. Westmoreland St., Philadelphia 34, Pa.
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Porter-Ferguson." (Hand.)
Rivette Mfg. Co., 1515 Rothwell Ave., Houston, Tex. "Fndrol." (Hand.)
Roberts Toledo Rubber Co., Prospect & MC R. R., Toledo 6, Ohio. (Rubber hammers.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stream Line Tools, Inc., Highway 70, Conover, N. C.
Swiss Laboratory, 1533 Hamilton Ave., Cleveland 14, Ohio.

Another famous user of
KEM TRANSPORT ENAMELS

OMAHA STANDARD

"FOR OVER 30 YEARS THE TRUCKER'S STANDARD"

...custom truck body makers... *gets "hard sell" and hard service from*

KEM® TRANSPORT ENAMELS

Approved for
LEADING NATIONAL FLEETS

Sherwin-Williams KEM Transport Enamels are approved and recommended finishes for the fleet equipment of many leading national fleet operators such as the Goodyear Tire & Rubber Company, The Coca-Cola Company, Dad's Root Beer Co., Allied Van Lines, Gray Line Sight-Seeing Tours, City Products Company, Omaha Standard, Pepsi-Cola Company, U-Drive-It Co. and many others.

Sales appeal and durability are two qualities Omaha Standard demands *and gets* in the finishes used on its complete line of truck trailers, truck bodies and under body hoists. In fact, KEM Transport Enamels have been used by Omaha Standard for *many* years for many good reasons.

These long-lasting, bright finishes that hold their color so well have other advantages worth knowing. KEM Transport Enamels fit production schedules because of exceptional application and fast-drying characteristics with no sacrifice in quality. In service, KEM Transport Enamels resist heat, cold, moisture, abrasion, grease, gasoline and rough handling. They represent the highest type of synthetic formulation developed by the Sherwin-Williams Research Laboratories.

If you're looking for eye appeal and long-lasting, all-around dependability, you'll find it profitable to try KEM Transport Enamels. Call the nearby Sherwin-Williams "OK" Automotive Jobber listed in the classified pages, or write to us for the name. The Sherwin-Williams Co., Automotive Division, Cleveland 1, Ohio.

COVER THE EARTH
SHERWIN-WILLIAMS
OK PEX KEM
Automotive FINISHES

SHERWIN-WILLIAMS
AUTOMOTIVE FINISHES

GET IT FROM YOUR JOBBER

TOOLS, Body and Fender Repair, Hand—*continued*

Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

TOOLS, Body and Fender Repair, Portable Electric

Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y.
Red Devil Tools, Coit St., Irvington 11, N. J.

TOOLS, Body and Fender Repair, Portable Hydraulic

Bear Mfg. Co., 21st St., & Fifth Ave., Rock Island, Ill. "Flex-O-Power."
Bee-Line Co., P. O. Box 569, Davenport, Iowa.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Porto-Power."
Hein-Werner Corp., 1200 National Ave., Waukesha, Wis. "Hein-Werner Push & Pull."
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Porter-Ferguson."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.

TOOLS, Body and Fender Repair, Portable Pneumatic

Bear Mfg. Co., 21st & Fifth Ave., Rock Island, Ill.
Borm Mfg. Co., 23 N. Union St., Elgin, Ill. "Elgin." (Hammers.)
Brown Tool Mfg. Co., 9422 Trenton Ave., St. Louis 14, Mo. "Air Quick."
Cornwell Quality Tools Co., Mogadore, Ohio.
Sauschild Mfg. Co., F. J., 540 Main St., Oneonta, N. Y. "Rams-Head."
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee 8, Wis. (Hammers.)
Seiden Pneumatic Tool Co., 419 Barrett St., Jackson, Mich.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor" (Hammers.)
Watervliet Tool Co., 1346 Broadway, Albany 4, N. Y.

TOOLS, Brake Cylinder Cleaning and Polishing

Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 14, Mo.

TOOLS, Brake Spring Removing & Replacing

Barrett Equipment Co., 21st & Cass, St. Louis 6, Mo.
Cornwell Quality Tools Co., Mogadore, Ohio.
Krome Co., 39 Mulberry St., Reading, Pa. (Compressors.)
Nasa Tool Mfg. Corp., New Vienna, Ohio.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Utica Drop Forge & Tool Corp., 2500 Whitesboro St., Utica, N. Y. (Pliers.)
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Superrench."

TOOLS, Brake Bond Testing

Permafuse Corp., 675 Main St., Westbury, N. Y.

TOOLS, Clutch Alignment

(See also Machines, Clutch Rebuilding)

Accurate Parts Mfg. Co., 1600 S. Ashland Ave., Chicago 8, Ill.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Miller Co., L. B., 394 State St., Stamford, Conn.
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Rovtar Tool Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

TOOLS, Contact Point Reconditioning

Automotive Specialty Corp., 1562 DeKalb Ave., Brooklyn 27, N. Y. "Tasco."
Badger Tool & Mfg. Co., 1501 W. Polk St., Chicago, Ill.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Guaranteed Parts Co., Seneca Falls, N. Y.
Heller Bros. Co., 865 Mt. Prospect Ave., Newark, N. J.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Lanagan & Hoke, Inc., Easton Rd., Warrington, Pa.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin'."
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Miller Co., L. B., 394 State St., Stamford, Conn.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
New Britain Machine Co., South St., New Britain, Conn.

Do it better... Quicker with...

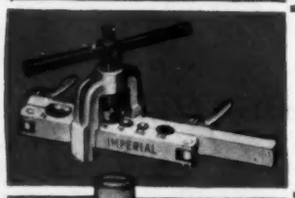
IMPERIAL *Tubing Tools*

...the quality tools from Tubing Tool Headquarters!

IMPERIAL HI-DUTY TUBE CUTTER

Cuts tubing cleanly and squarely. Free wheeling ball bearing action. Flare cut-off groove in rollers. Retractable reamer.

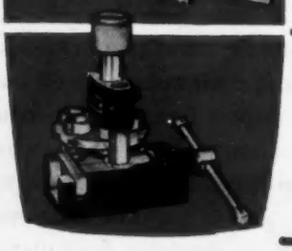
No. 274-F for 1/8" to 1" Each.....$3.85



IMPERIAL FLARING TOOL with SLIP-ON YOKE

Has Imperial's exclusive quick slip-on yoke—made of forged steel. Makes correct 45° flares on copper and aluminum tubing.

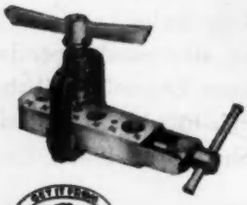
No. 193-F flares 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" O.D. tubing. Each.....$4.35



IMPERIAL PRECISION DOUBLE FLARING TOOL

Makes precision double-lap flares on soft steel or other tubing for brake, oil and gas lines. Prevents splitting of tubing. Positive accurate control of flare size. Also makes single flares.

No.250-F Double flaring tool for 3/16", 1/4", 5/16", 3/8" and 1/2" O.D. tubing. Each $15.95



No.500-F Imperial Rol-Air Flaring Tool. Both flares and burnishes 3/16" 1/4", 5/16", 3/8", 1/2", 5/8" tubing $9.25

No. 93-FB Double flaring tool for 3/16", 1/4", 5/16", 3/8", 1/2" O.D. tubing. In metal kit. $8.95

Ask for Bulletin 3020

THE IMPERIAL BRASS MFG. CO., 1209 W. Harrison, Chicago 7, Illinois
In Canada: 334 Lauder Ave., Toronto, Ont.

IMPERIAL

Brass Fittings • Flexible Lines
Shut-Off Valves • Service Aids
Tubing Tools • Drum Faucets

IF IT'S PETROLEUM-POWERED
there's a Globe-built battery . . . right from the start
Where fast, sure starts mean dollars . . .
GLOBE BATTERIES ARE ON THE JOB!
Here's solid, down-to-earth proof that Globe batteries are extra tough and reliable . . . best for fleet owners and operators!
Batteries used on heavy industrial machinery *have* to "take it" . . . for "down time" means *big* money lost. Thus, the approval and use of Globe batteries in earth-moving and farm equipment is a real tribute to the durability and reliability of Globe batteries.
Naturally, Globe batteries for use by truckers and fleet operators are equally dependable. These batteries are built to stand up, through hardest use, regardless of weather or working conditions. They're packed with reserve power to keep engines "spinning" until they catch.
If you are not already using Globe batteries in your equipment, take a tip from the makers of other equipment that has to stand up: Specify famous Globe batteries . . . the batteries that are built better to serve better!
GLOBE
GLEANER
GLOBE-UNION INC.
MILWAUKEE 1, WISCONSIN
FOR FAST SERVICE THERE ARE 16 GLOBE BATTERY PLANTS — ATLANTA, GA. • BOSTON, MASS. • CINCINNATI, OHIO • DALLAS, TEXAS • EMPORIA, KANSAS • HASTINGS-ON-HUDSON, N. Y. • HOUSTON, TEXAS • LOS ANGELES, CALIF. • MEMPHIS, TENN. • MILWAUKEE, WIS • MINERAL RIDGE, OHIO • OREGON CITY, ORE. • PHILADELPHIA, PA. • REIDSVILLE, N. C. • SAN JOSE, CALIF. • AJAX (TORONTO) CAN.

TOOLS, Contact Point—*continued*

Nolvex File Co., 10329 Detroit Ave., Cleveland 2, Ohio.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Rinck-McIlvaine, Inc., 16 Hudson St., New York 13, N. Y. (Rimac.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Tacony File & Hardware Co., 2814 N. Fourth St., Philadelphia 33, Pa. "Contacto," "Ideal," "Tungsto," "Taconite," "Vim."
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.

TOOLS, Machines, Cylinder Reboring, Portable

(See also Hones, Cylinder; also Deglazers, Cylinder)

Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Evans Reamer & Machine Co., New Lexington, Ohio.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Rottler Boring Car Co., 1727 First Ave., S., Seattle 4, Wash.
St. Louis Tool Co., 6100 Prescott St., St. Louis 15, Mo. "St. Louis Superior." "S-L."

Good Cooler Design

Note the compact Model TFD 15 hp. 2-cylinder Wisconsin Engine installation.

Includes WISCONSIN HEAVY-DUTY *Air-Cooled* ENGINES

Building well-engineered refrigeration units is a job that calls for dependable Lugging Power from the engine, as supplied by the model TFD 15 hp. 2-cylinder Wisconsin Heavy-Duty Air-Cooled Engine which powers the above installation.

Engineers recognize the value of the heavy-duty performance features built into every Wisconsin Engine . . . including fool-proof air-cooling, thrust-absorbing tapered roller bearings and many others. In addition, this engine is also equipped with stellite valves and valve seat inserts, adding greatly to engine life and minimizing servicing. Rated capacity of the Wisconsin-powered cooler illustrated above is 30,000 BTU at 30 degree refrigerant, with 100 degree F. ambient and 10,000 BTU, at a minus 20 degree refrigerant, with 100 degree ambient air.

Power to fit the *machine* and power to fit the *job* best sums up Wisconsin Heavy-Duty Air-Cooled Engine performance. Write for more information about all 4-cycle single-cylinder, 2-cylinder and V-type 4-cylinder types, 3 to 36 hp.

Power TO FIT THE JOB — Power TO FIT THE MACHINE

MOST H.P. HOURS

WISCONSIN MOTOR CORPORATION

World's Largest Builders of Heavy-Duty Air-Cooled Engines

MILWAUKEE 46, WISCONSIN

Storm-Vulcan, Inc., 2225 Burbank St., Dallas 19, Tex.
Van Norman Co., 2640 Main St., Springfield 7, Mass. "Per-fect-O."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."

TOOLS, Hand

Agner Simplex Co., 106 Pine St., Burlington, Wis. "Simplex."
Apco Mossberg Co., Lamb St., Attleboro, Mass. "Mossberg."
Apex Machine & Tool Co., 1025 Patterson Blvd., Dayton, Ohio.
Armstrong Bros. Tools Co., 5200 Armstrong Blvd., Chicago 30, Ill.
Armstrong Mfg. Co., 303 Knowlton St., Bridgeport 8, Conn.
Atmars Tool Co., 2411 Chestnut St., Oakland 7, Cal.
BMC Mfg. Co., 5 Griswold St., Binghamton, N. Y.
Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa.
Bath & Co., John, 18 Grafton St., Worcester, Mass.
Bay State Tap & Die Co., Chauncey St., Mansfield, Mass.
Beall Tool Div., Herbrand & Co., East Alton, Ill. (Ratchet.)
Bergman Tool Mfg. Co., 1573 Niagara St., Buffalo 13, N. Y. "Bluebird."
Besley & Co., Chas. H., 118 N. Clinton St., Chicago 6, Ill.
Billings & Spencer Co., 1 Laurel St., Hartford 1, Conn. "Vitalloy."
Blackhawk Mfg. Co., 5325 W. Rogus St., Milwaukee 1, Wis. "Blackhawk," "Nugget."
Boker & Co., 101 Duane St., New York, N. Y.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Bremil Mfg. Co., 1700 Pittsburgh Ave., Erie, Pa. "All-Alloy."
Bridgeport Hardware Mfg. Corp., 461 Iranistan Ave., Bridgeport, Conn. "Blue-Forge," "Hy-Bar."
Brubaker & Bros., Co., W. L., Millersburg, Pa.
Buckeye Reliner Producing Co., 637 N. Jackson St., Lima, Ohio. (Rubber mallets.)
Callahan Mfg. Co., 90 Halton St., Danver, Mass.
Cal-Van Machine Products, Inc., 1809 S. Water St., Jackson, Miss.
Card Mfg. Co., S. W. Div., Union Drill Co., Rumford Ave., Mansfield, Mass.
Chicago Tool & Kit Mfg. Co., 667 W. Randolph St., Chicago 6, Ill. "C-T-K."
Cincinnati Tool Co., 1967 Waverly Ave., Cincinnati 12, Ohio. "Hargrave."
Cleveland Steel Tool Co., 660 W. 82nd St., Cleveland, Ohio.
Cornwell Quality Tool Co., Mogadore, Ohio.
Conant & Donelson Co., Conway, Mass.
Continental Rubber Works, 1902 Liberty St., Erie, Pa. "Vitalic."
Curtiss & Smith Mfg. Corp., 22 High St., Pottstown, Pa. "CS." (Wheel bearing adjusting nut.)
Danielson Mfg. Co., Danielson, Conn. "Danco."
Delaware Tool Steel Corp., 3300 Market St., Wilmington 99, Del. "Delsteel."
Division Lead Co., 836 W. Kinzie St., Chicago, Ill. "Divco." (Lead and babbitt.)
Dixon, Inc., William, 32 E. Kinney St., Newark, N. J.
Duro Metal Products Co., 2649 N. Kildare St., Chicago 39, Ill. (Duro Chrome.)
Fairmount Tool & Forging Co., 10611 Quincy St., Cleveland 6, Ohio.
Forsberg Mfg. Co., 125 Seaview Ave., Bridgeport, Conn. "Whale."
G. M. Mfg. Co., 43-10 21st St., Long Island City, L. I., N. Y.
Gasket, Packing & Specialty Co., 298 Broadway, New York, N. Y. (Lead, babbitt, copper, rubber, etc.)
Geometric Tool Co., Div. of Greenfield Tap & Die Corp., Blake & Valley Sts., New Haven 15, Conn. (Solid adjustable.)
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio. (Rubber mallet.)
Goodyear Tire & Rubber Co., E. Market St., Akron, Ohio.
Greene, Tweed & Co., North Wales, Pa. "Bosa," "Empire." (Plastic.)
Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass. "GTD."
Hanson-Whitney Machine Co., 169 Bartholomew Ave., Hartford 2, Conn. "HW."
Heller Bros. Co., 865 Mt. Prospect Ave., Newark 4, N. J.
Hendry Co., C. J., 27 Main St., San Francisco 5, Calif. "Tac."
Henry & Allen, Inc., 2 Wadsworth St., Auburn, N. Y. "Red Nut," "Silver Nut."

Service

is an Attitude . . .

At Blood Brothers, Service is the "attitude of the day"— every day. As manufacturers of propeller shafts for heavy-duty automotive use, Blood Brothers believes that willing, helpful cooperation is the key to improved performance, better products and greater customer satisfaction.

At times, your model changes necessitate altered specifications . . . or technical problems require expert advice . . . or you are called by customers who want replacement parts.

At such times, we're confident you'll find Blood Brothers alert, willing and able to solve universal joint and propeller shaft problems — for *sure!*

UNIVERSAL JOINTS AND DRIVE LINE ASSEMBLIES

BLOOD BROTHERS machine division
Rockwell Spring and Axle Company
ALLEGAN, MICHIGAN

TOOLS, Hand—*continued*

Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis, Minn. (Impact for buses, trucks, and trailer wheels.)
Jergans Tool Specialty Co., 712 E. 163rd St., Cleveland 10, Ohio. (For White trucks only.)
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kaalot Mfg. Co., 3927 N. Kedzie Ave., Chicago 18, Ill. (Buckskin fabric.)
Kennedy Service Tools Inc., P. O. Box 38, Mogadore, Ohio. (Rubber, fibre, plastic.)
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lambert Products, Inc., 513 Hunter Ave., Dayton, Ohio. "Budnut." (Wheel.)
Landis Machine Co., Fifth & Church Sts., Waynesboro, Pa. (Solid Adjustable.)
Larson Tool & Stamping Co., Olive St., Attleboro, Mass.
Leterstone Sales Co., 2515 S. Wabash Ave., Chicago, Ill.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin." (Rubber mallets.)
Lufkin Rule Co., Hess Ave., Saginaw, Mich. (Center.)
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. (Rawhide.)
Matticks Mfg. Co., 4156 E. Pacific Way, Los Angeles 23, Calif. "Turner." (Rubber.)
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Mechanic's Tool & Forge Co., Howard St., Sabina 1, Ohio. "Mac."
Metal Engineering Co., 134 N. La Salle St., Chicago 2, Ill. "Metco."
Miller Mfg. Co., 5919 Tireman Ave., Detroit 4, Mich.
Millers Falls Co., Greenfield, Mass. (Brass.)
Morse Twist Drill & Machine Co., 163 Pleasant St., New Bedford, Mass.
Murchey Machine & Tool Co., 12800 Puritan St., Detroit, Mich. (Solid and Adjustable.)
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
New England Pressed Steel Co., Washington Ave., Natick, Mass. "Nepsco."
New Plastic Corp., 1017 N. Sycamore Ave., Los Angeles, Calif. "Nupla."
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
P & C Hand Forged Tool Co., Box G, Milwaukie, Ore.
Park Metalware Co., Thorne Ave. & B. R. & P. Tracks, Orchard Park, N. Y. "Excel."
Peck, Stowe & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."
Peterson Mfg. Co., De Witt, Neb. "Vise-Grip." (Toggle type.)
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto."
Polaris Products, Inc., 1006 S. Barclay St., Milwaukee, Wis. "Speedgrip."
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford, Conn.
Quality Tool Corp., New Wilmington, Pa. "Oldforge."
Reiff & Nester Co., Lykens, Pa.
Reltool Corp., 712 W. Michigan St., Milwaukee 3, Wis.
Rhode Island Tool Co., 148 W. River St., Providence 1, R. I.
Richards Co., J. A., 903 N. Pitcher St., Kalamazoo 13F, Mich. (Rubber products.)
Roberts Toledo Rubber Co., Prospect & MC RR., Toledo 6, Ohio.
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Sherman-Klove Co., 3535 W. 47th St., Chicago 32, Ill. "S-K."
Smith & Sons, Inc., Seymour, Oakville, Conn. "Snap-Lock." (Sole distributors, John H. Graham & Co., 105 Duane St., New York, N. Y.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point," "Snap-On."
Standard Tool Co., 6900 Central Ave., Cleveland 4, Ohio. "Shield Brand."
Stanley Tools, 111 Elm St., New Britain, Conn.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Stevens-Walden, Inc., 475 Shrewsbury St., Worcester, Mass. "Walden-Worcester."
Stortz & Son, John, 210 Vine St., Philadelphia 6, Pa.
Sweeney Mfg. Co., B. K., 1601 23rd St., Denver, Colo. "Powerench."
Tri-Grip Co., 2053 Twelfth St., Cuyahoga Falls, Ohio.
Trimont Mfg. Co., Div. of Aetna Industrial Corp., 55 Armory St. (Roxbury), Boston, Mass. "Trimo."
Truth Tool Co., 711 S. Front St., Mankato, Minn.
Tuck Mfg. Co., 74 Ames St., Brockton, Mass.
Union Tool Co., 48 E. River St., Orange, Mass.
Union Twist Drill Co., Monroe St., Athol, Mass.
Union Twist Drill Co., Butterfield Div., Derby Line, Vt.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York, N. Y.
Ushco Mfg. Co., 135 Tonawanda St., Buffalo 7, N. Y. "Ushco-Lawson."
Utica Drop Forge & Tool Corp., 2500 Whitesboro Rd., Utica 4, N. Y.
Vaco Products Co., 317 E. Ontario St., Chicago 11, Ill. (Plastic.)
Vermont Tap & Die Corp., Main & Grove Sts., Lydonville, Vt.
Vlchek Tool Co., 3001 E. 87th St., Cleveland, Ohio.
Walworth Co., 60 E. 42nd St., New York 17, N. Y. "Genuine Stillson," "Walco."
Western Automatic Machine Screw Co., 752 Lake Ave., Elyria, Ohio.

THESE

"PISTON RING" GAS SEALS

save welding time and maintenance costs

You get perfect gas seals instantly everytime you slip a welding head or cutting attachment into one of the new PUROX blowpipes. Rubber "O" rings thrust outward like piston rings to seal without excessive pressure.

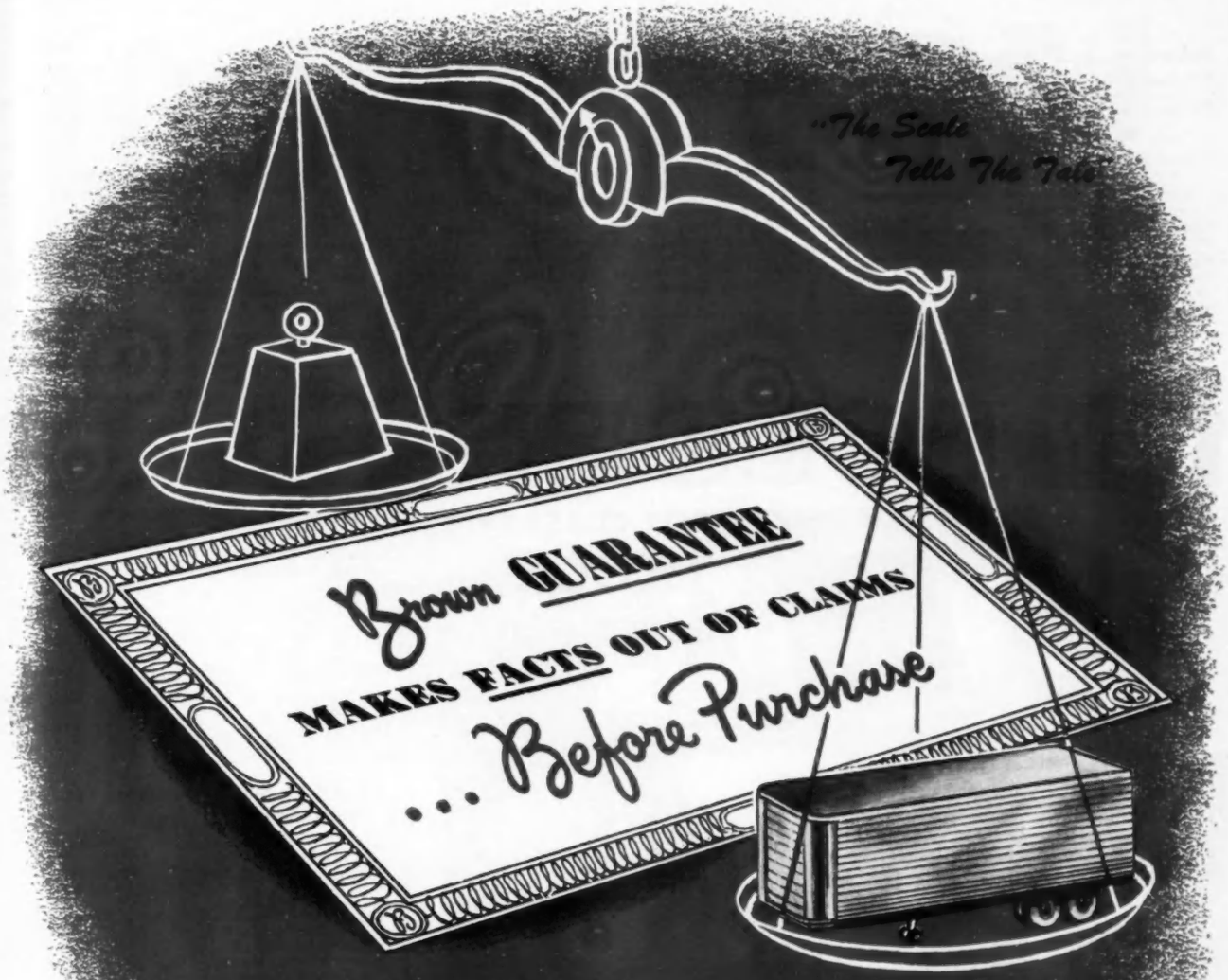
In PUROX equipment, the "O" rings are never mashed out of shape. They last longer, give extra trouble-free service, and are easily replaced. There are no metal-to-metal seals to maintain. And because the connection nut merely locks the head into position, it needs only hand-tightening. The welding head can be rotated as desired while the flame is burning.

Ask your LINDE jobber for a demonstration today or write for more details. LINDE AIR PRODUCTS COMPANY, a Division of Union Carbide and Carbon Corporation, 30 E. 42nd St., New York 17, N. Y. In Canada: Dominion Oxygen Company, Division of Union Carbide Canada Limited, Toronto.

PUROX
Trade-Mark
Welding Apparatus

get it from your LINDE JOBBER

The terms "Linde" and "Purox" are registered trade-marks of Union Carbide and Carbon Corporation.



WE BACK OUR *Weight Claim* WITH CASH

BROWN TRAILERS' weight claim guarantee is made at the time of your purchase . . . it is direct and unconditional. It states that Brown will pay *at time of delivery* a specified sum for *every pound* your trailer exceeds the weight guaranteed *at time of purchase.* Get complete details about this guarantee from your Brown Distributor . . . Now!

FREE *Truckers' Profitmeter*

Send for your PROFITMETER and learn quickly how many extra dollars you'll earn each year by eliminating deadweight. Write Brown Trailers, Inc., Box 873, Toledo 1, Ohio.

Brown

BROWN TRAILERS, INC.
SPOKANE • TOLEDO • READING

TOOLS, Hand—*continued*

Whitaker Mfg. Co., 409 S. Greene St., Chicago, Ill.
Whitman & Barnes, Div. of United Drill & Tool Corp., Plymouth, Mich. (Interchangeable.)
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Supersocket."
Wiss & Son Co., J., 33 Littleton Ave., Newark, N. J.
Wood & Spencer Co., 1930 E. 61st St., Cleveland 3, Ohio.
Wright Tool & Forge Co., 42 E. State St., Bakerton, Ohio.
Zoerman-Clark Mfg. Co., Jackson, Mich.

TOOLS, Ignition

Billings & Spencer Co., 1 Laurel St., Hartford 1, Conn. "Vitalloy."
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Foster Mfg. Co., 287 Delaware Ave., Buffalo 2, N. Y.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y.
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Metal Engrg. Co., 134 N. LaSalle St., Chicago, Ill.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. "Nimco."
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2009 Santa Fe Ave., Los Angeles, Calif. "Proto."
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Shaw Co., Joseph, 6225 Benore Rd., Toledo 12, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Snap-On," "Blue Point."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Superrench."

TOOLS, Injector Service

Bacharach Industrial Instrument Co., 7000 Bennett St., Pittsburgh 8, Pa.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.

TOOLS, Piston Pin Removing and Installing

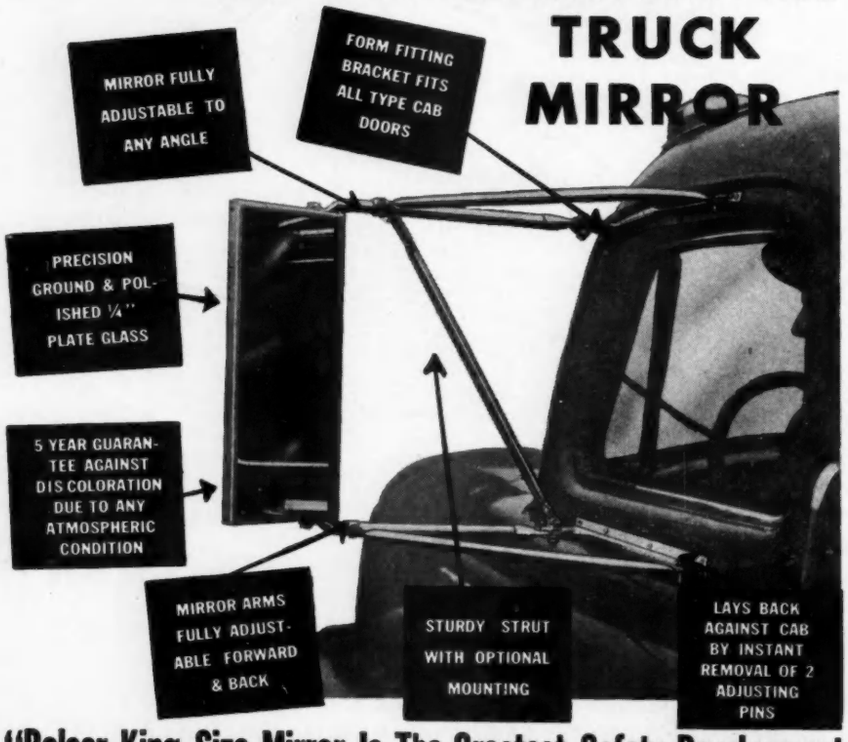
Clark-Feather Mfg. Co., 116 W. Railroad Ave., Ft. Morgan, Colo.
Cornwell Quality Tools Co., Mogadore, Ohio.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa. (For Ford cars.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
New Britain Machine Co., South St., New Britain, Conn.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

TOOLS, Piston Ring Compressing

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Aircraft Specialties, Inc., Howard & Higley Sts., Lapeer, Mich. "A.S.C."
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif.
Atmars Mechanics, 3561 Lakeshore Ave., Oakland 10, Calif.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro Chrome."
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Master Signal Co., 2465 W. Grand River Ave., Howell, Mich. "Master," "Standard."
Miller Co., L. B., 394 State St., Stamford, Conn.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
P. & C. Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif. "Proto."

NEW BOLSER

SUPER "KING SIZE" WEST COAST TYPE TRUCK MIRROR



"Bolser King-Size Mirror Is The Greatest Safety Development For Tractors & Trailers Since Air Brakes" . . . SAY OPERATORS

MAN, WHAT A MIRROR—IT HAS EVERYTHING! Large 6½" x 16½" mirror of precision ground and polished ¼" plate glass. Gives a big—full view at all times. Mirror is fully adjustable—all ways. Long "fit-all" mounting bracket gives mirror extra solid mounting even on lightest steel doors, cuts vibration to minimum. Frame of steel tubing. All brackets of heavy gauge stamped steel. Optional finish—baked aluminum or black enamel. DO IT YOURSELF—no skill required for mounting. Shipped complete, ready to assemble and mount.

Write for New Fully Illustrated Literature!

THE BOLSER CORPORATION • Cedar Falls, Iowa

LOOK OUT . . FIRE !

TWO OF THE GREATEST NAMES IN FIRE PROTECTION HAVE JOINED FORCES

PYRENE and C-O-TWO, world-renowned manufacturers of approved fire protection equipment, are now unified under the same management to give you the finest and most complete line on the market today . . .

- **built-in fire detecting systems that quickly respond to smoke, heat or flame . . .**
- **all types of portable fire extinguishers and built-in fire extinguishing systems that kill fire fast . . .**
- **plus an expert fire protection engineering service that gives you unbiased advice on what is best for your particular fire hazards.**

Don't take unnecessary chances . . . the combined fire protection experience of PYRENE and C-O-TWO over the years is at your disposal without obligation. Get complete facts today!

PYRENE — C-O-TWO

NEWARK 1 • NEW JERSEY

Sales and Service in the Principal Cities of United States and Canada

COMPLETE FIRE PROTECTION

portable fire extinguishers . . . built-in fire detecting and fire extinguishing systems

CARBON DIOXIDE • DRY CHEMICAL • VAPORIZING LIQUID • SODA-ACID • WATER • CHEMICAL FOAM • AIR FOAM

LOOK INSIDE Exide

1 **POWERFUL, LONG-LASTING PLATES**—Maximum power and dependability—in all types of driving, thanks to patented SILVIUM grid alloy and super G.O.X. oxides.

2 **LONG-LASTING SEPARATORS**—Practically indestructible—resist heat and vibration—prevent dead cells—thanks to Exide's exclusive PORMAX.

3 **DUAL-PURPOSE LEVELEX**—Longer life in hot weather—more power in cold weather—thanks to Exide's two-level control of electrolyte.

4 **POWER-SAVING RETAINERS**—Power is retained in plates—battery life is extended—thanks to Exide VITREX mats.

AND THERE'S A LOT YOU CAN'T SEE—But it's there! It's Exide's engineering and manufacturing "know-how"—66 years of it—your guarantee of satisfaction.

SEE WHY EXIDE ULTRA START with Silvium* and Levelex† IS YOUR BEST BATTERY BUY

Whether your operation involves stop-and-go driving, high mileage, or a combination of both, the new Exide ULTRA START® with the dual-purpose Levelex is by far your best battery buy.

* **FOR HIGH MILEAGE DRIVING** — Ultra Start resists overcharge . . . gives longer life.

* **FOR STOP-AND-GO DRIVING** — Ultra Start holds its charge better . . . stays "healthier."

† **IN COLD WEATHER** — Levelex increases power to meet heavier starting loads and greater demands on the battery.

† **IN HOT WEATHER** — Levelex increases protection against damaging effects of high under-hood temperatures.

For lower operating costs and more dependable service equip with Exide Ultra Start Batteries. All Exide Batteries are guaranteed — and remember, the Exide Guarantee is backed by 66 years of business integrity. Get the facts from the Exide distributor nearest you.

Exide AUTOMOTIVE DIVISION
THE ELECTRIC STORAGE BATTERY COMPANY
Philadelphia 2, Pa.
Exide Batteries of Canada, Limited, Toronto

Exide® BATTERIES

TOOLS

TOOLS, Piston Ring, Comp.—*continued*

Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Schartow Iron Products Co., 16th St. & Junction Ave., Racine, Wis. "Sipco."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stromgren Co., Charles D., 935 W. 12th St., Los Angeles 15, Calif. "Sta-Put."
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

TOOLS, Piston Ring Groove Cleaning

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
Aircraft Specialties, Inc., Howard & Higley Sts., Lapeer, Mich. "A.S.C."
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Groove-Rite Tool Co., 12714 Terry Ave., Detroit 27, Mich.
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Master Signal Co., 2465 W. Grand River Ave., Howell, Mich.
Miller Co., L. B., 394 State St., Stamford, Conn.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Peterson Co., Paul, 1313 W. Randolph St., Chicago 7, Ill. "Webco."
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stromgren Co., Charles D., 935 W. 12th St., Los Angeles 15, Calif. "Sta-Put."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Wilkening Mfg. Co., 2000 S. 71st St., Philadelphia 42, Pa. "Pedrick."
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trucut." (Regrooving & cleaning lathe.)
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

TOOLS, Spring Spreading

Mesco Products, Crete, Nebr.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "K.R.W."
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

TOOLS, Thread Restoring

Armstrong Mfg. Co., 225 Lafayette St., New York, N. Y.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Buckingham Mfg. Co., Inc., 7 Travis St., Binghamton, N. Y.
C. & G. Wheel Puller Co., Scio, N. Y.
Cornwell Quality Tools Co., Mogadore, Ohio. (Axle.)
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y. (Valve stem.)
Grayson Tool Co., 1412 W. 2nd St., Hastings, Nebr. (axle.)
Jaw Mfg. Co., 39 Mulberry St., Reading, Pa. "Nu-Thred." (Files; "Jaw" dies.)
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio. (Axle.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich. (axle.)
Keystone Reamer & Tool Co., Millersburg, Pa.
Miller Co., L. B., 394 State St., Stamford, Conn. (Axle.)
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich. (Axle.)
New Britain Machine Co., South St., New Britain, Conn.

By using GALION ALLSTEEL'S new hoist and body combination

you can carry up to 1,500 lbs. extra payload!

Yes, with the new Galion hoist and body you can haul extra profit-making PAYload every trip without violating strictly enforced weight laws.

Modern trucks offer you increased front axle capacity. Galion's rugged, lightweight 66381 hoist and 12N-4 body combination moves hoist, body and load weight forward onto the front axle—lets you carry as much as 1,500 more legal pounds per load.

Available in body lengths to 12 ft. and hoist capacities to 22 tons, this combination offers you new profit opportunities. Better write, phone or see your Galion Allsteel distributor for more details right away.

AA-77

Specify GALION for greater profits!

THE **GALION** ALLSTEEL BODY COMPANY • GALION, OHIO

TOOLS, Thread Restoring—*continued*

Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
Reiff & Nestor Co., Lykens, Pa. "Nu-Trix."
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac." (Axle.)
Schartow Iron Products Co., 16th St. & Junction Ave., Racine, Wis. "Sipco." (Axle.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo. (Axle.)
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich. (Axle.)

TOOLS, Tire

A. B. C. Mfg. Co., 340 N. Front St., Philadelphia 6, Pa.
Apco Mossberg Co., 187 Lamb St., Attleboro, Mass.
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif. "Brown."
Bear Mfg. Co., 21st St., & Fifth Ave., Rock Island, Ill.
Bishman Mfg. Co., Osseo, Minn.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis.
Bos Tool Co., Delaware & Main Sts., Penns Grove, N. J. (Hydraulic tire demounting.)
Bridgeport Hardware Mfg. Corp., 461 Iranistan Ave., Bridgeport, Conn. "Thor," "Hi-Power."
Cam Tool Co., 11 Randwick Ave., Oakland 11, Calif. "Cam." (Tire changes, also bead breaker; "Burch" tire lifters.)
Cornwell Quality Tools Co., Mogadore, Ohio.
Detroit Surfacing Machine Co., 1333 E. Eight Mile Rd., Detroit 20, Mich.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio (Tire valve tools.)
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
E-Z Lift Mfg. Co., Div. Brummeler Steel Products Corp., 1415 Ionia Ave., S.W., Grand Rapids, Mich.
Greb Co., 181 Canton St., Stoughton, Mass.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Hennessy Sales Co., Jack P., 12 Depot Square, Englewood, N. J.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Hoggson & Pettis Mfg. Co., 141 Brewery St., New Haven, Conn.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y. (Pneumatic.)
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa. (Probing.)
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa. "Blue Streak." (Tire rasps.)
Ken Tool Mfg. Co., 768 E. North St., Akron 5, Ohio.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kirspel Industries, Inc., Livingston, N. J.
Lectrolite Corp., Hickory St., Defiance, Ohio.
Maremont Automotive Products, Inc., S. Ashland Ave. at 16th St., Chicago 16, Ill.
Mesco Products, Crete, Nebr. (Trucks.)
Miller-Henderson Co., 302 E. Main St., Bowling Green, Ky.
New Britain Machine Co., South St., New Britain, Conn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Quality Tools Corp., Railroad St., New Wilmington, Pa.
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Snap-On Tools Corp, 8046 28th Ave., Kenosha, Wis. "Blue Point."
Speedmaster, Ltd., 3814 Piedmont Ave., Oakland 11, Calif. (Bead breakers.)
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.
Vlchek Tool Co., 3001 E. 87st St., Cleveland 4, Ohio.
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

TOOLS, Tire Chain Attaching

American Chain Div., American Chain & Cable Co., 454 E. Princess St., York, Pa. "Zip-On."
Hodell Chain Co., Div. of National Screw & Mfg. Co., 3924 Cooper Ave., Cleveland 3, Ohio.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.

TOOLS, Tire Chain Repair

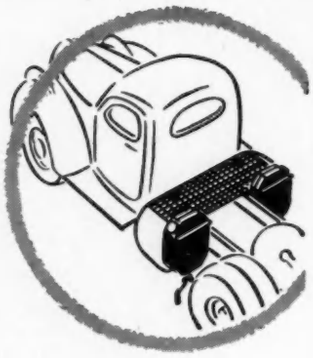
American Chain Div. of American Chain & Cable Co., 454 E. Princess St., York, Pa. "Weed."
Columbus-McKinnon Chain Corp., Tonawanda, N. Y. "Dreadnaught."
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa.
Manley Div., American Chain Co., E. Princess & Charles Sts., York, Pa.
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Linkfix," "Linkmaster."
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn.
St. Pierre Chain Corp., Frank St., Worcester, Mass. "Giant."

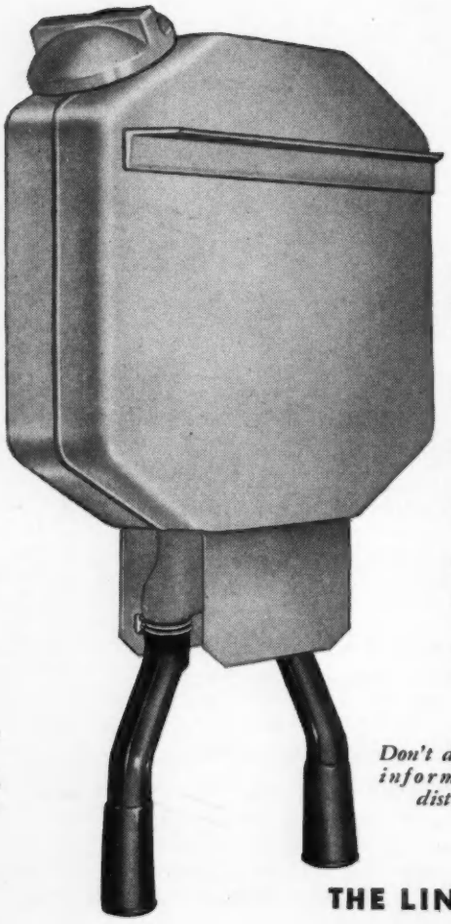
TOOLS, Tire Removing and Replacing

Big Four Industries, Inc., 5938 Carthage Ave., Cincinnati 12, Ohio. "Henderson."
Bishman Mfg. Co., Osseo, Minn.
Branick Mfg. Co., Fargo, N. D.
Coats Loaders & Stackers, Inc., 3001 Fifth Ave., S., Fort Dodge, Iowa. "Iron Tireman."
Kehawke Mfg. Co., 718 Ellis St., Muncie, Ind. (Pneumatic.)
Kerkling-Martin, Inc., San Fernando, Calif.

when it's a LINTERN SANDER

you STOP





Thoroughly dependable on icy, slippery roads . . . many superior features —

1. Hand control or foot control operation
2. Patented, weatherproof, non-clogging nozzles
3. "Demoist" absorber on fill cap
4. Splash guard for operating mechanism
5. Simplified valve assembly
6. Operates on 20 psi — no drain on battery
7. Air or vacuum operated — as dependable as your brakes!

Don't delay — write us now for complete information and name of nearest distributor. Ask for Bulletin 5307.

THE LINTERN CORPORATION

ROUTE 20, EAST • PAINESVILLE, OHIO

Sanders, Cylinder Tanks, Saddle Tanks, Step Tanks

a few dollars for LINTERN SANDERS can save you hundreds of dollars

Your N·A·P·A Jobber is a good man to know!

the genuine quality of these nationally advertised brands is doubly assured by the makers' integrity and the NAPA Seal.

For genuine quality and coverage, the group of lines your NAPA Jobber stocks cannot be surpassed. Many of these NAPA lines are widely used as original equipment. In every case, the lines which bear the NAPA Seal are recognized by automotive engineers as meeting the highest standards of quality. And combined with this uniform and dependable quality, your NAPA Jobber is equipped to offer you extraordinary *service.* He can replenish his stock overnight—or obtain the seldom-needed parts no jobber can afford to stock, in record time . . . from his nearby NAPA Warehouse. There's no waiting "for shipment from the factory."

This unbeatable NAPA combination of quality, coverage and service is yours in any purchase you make from your NAPA Jobber. You can buy with confidence, because he has at his command all the facilities, resources and experience of a great national organization devoted to the purpose of serving your needs well. Wouldn't it pay you to concentrate *your* purchases of parts and supplies with *him?*

National Automotive Parts Association, Detroit, in behalf of the thousands of independent

N·A·P·A JOBBERS

who supply fleet operators and the automotive repair trade from coast-to-coast with these*—and many other—nationally advertised brands of quality automotive parts and supplies.

*Famous names in Automotive products distributed by NAPA

TOOLS, Tire Removing—*continued*

Lee Engineering Co., 505 Central Ave., Pawtucket, R. I. "Presto." (Hand or Hydraulically operated.)
Salsbury Corp., Tiremaster Div., 1161 E. Florence Ave., Los Angeles 1, Calif. "Weaver-Day."
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

TOOLS, Tire Spreading

Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Calif. "Brown."
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill. "Bear Jiffy."
Bishman Mfg. Co., Osseo, Minn.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind.
Branick Mfg. Co., Fargo, N. D.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa. "Klear-Vu," "Visaversa."
Kehawke Mfg. Co., 718 Ellis St., Muncie, Ind. (Penumatic.)

KOHLER ENGINES

4-CYCLE
AIR-COOLED

K90

K160

K90 3.6 H.P.
K160 6.6 H.P.
K330 11.8 H.P.
K660 26.8 H.P.

Kohler Engines are engineered and manufactured to the high standards which have made the Kohler mark known for quality the world over.

Power for garden tractors, pumps, sprayers, snow removal equipment, grain elevators, hoists, portable saws, concrete mixers, compressors, industrial lift trucks.

Write for information

K330

K660

Kohler Co., Kohler, Wisconsin
Established 1873

KOHLER OF KOHLER

PLUMBING FIXTURES • HEATING EQUIPMENT • ELECTRIC PLANTS
AIR-COOLED ENGINES • PRECISION CONTROLS

Kennedy Service Tools Co., P. O. Box 28, Mogadore, Ohio. (Hand.)
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
Lummis Mfg. Co., 2242 E. Foothill Blvd., Pasadena 8, Calif.
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Mesco Products, Crete, Neb.
Miller Mfg. Corp., C. E., 1400 Meridian St., Anderson, Ind.
New Britain Machine Co., South St., New Britain, Conn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Power Pak Products, Inc., 43 Pearl St., Buffalo 2, N. Y. (Pneumatic.)
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa.

TOOLS, Tire Valve Rethreading

Acme Air Appliance Co., 100 Hinsdale St., Glenmore, Brooklyn 7, N. Y.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
G. M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
Kennedy Service Tools Co., P. O. Box 28, Mogadore, Ohio.
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Schrader's Son Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.

TOOLS, Tube Cutting & Flaring

Acorn Mfg. Co., 33rd & Reed Sts., Erie, Pa. "Amco."
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis.
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
Cal-Van Machine Products, Inc., 801 S. Water St., Jackson, Mich.
Capewell Mfg. Co., 60 Governor St., Hartford, Conn.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Erco."
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Flaremaster."
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
G. M. Co. Mfg., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y.
Hunt Mfg. Co., Geo. L., 1030 Wisconsin Ave., Boscobel, Wis.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
J & J Machine Co., 15420 St. Clair Ave., Cleveland 10, Ohio. "Jet-Vac." (Sole distributors, Beal Bros., Inc., Box 86, Cleveland, Ohio.)
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Leader Screw & Mfg. Co., 3805 E. 91st St., Cleveland 5, Ohio.
Logansport Machine Co., Center Ave., Logansport, Ind.
Miller Co., L. B., 394 State St., Stamford, Conn.
Miller Mfg. Co., 5919 Tiriman Ave., Detroit 4, Mich.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Parker Appliance Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Penn Brass & Copper Co., Powell Ave., Erie, Pa.
Quality Tools Corp., Railroad St., New Wilmington, Pa.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Rovtar Tool-Die Mfg. Co., 2230 S. Wood St., Chicago 8, Ill.
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Zoerman-Clark Mfg. Co., 624 N. Mechanic St., Jackson, Mich.

We're Scheduling This Ad For 195X

LESS than three years ago, the revolutionary Thompson-engineered ball joint front suspension made the headlines. Already three of today's top passenger cars have adopted it . . . with other car manufacturers soon to follow suit.

Next? It won't be too long before the big news in the automotive world may be the adoption of Thompson's front suspension ball joints for *trucks and tractors, too!*

Then the "big fellers" of the automotive world . . . tractors and trucks . . . will also enjoy the advantages of:

- **Less driver fatigue**
- **Easier, safer steering**
- **Greater over-all stability**
- **Extra space for wider modern engine design**
- **Absence of front suspension and steering bind**
- **Lubrication points reduced from 12 to 4**
- **Increased service life *many times over***
- **Front end overhaul time cut *by hours***
- **Reduced manufacturer's assembly line costs**

This latest Thompson "Engineered Steering" development is typical of Thompson's cooperation with the Automotive Industry over the past 50 years.

Bring your steering linkage problems to Thompson's experienced engineers. Write, phone or wire Thompson Products, Inc., Michigan Plant, 7881 Conant Avenue, Detroit 11, Michigan, WA 1-5010.

You can count on

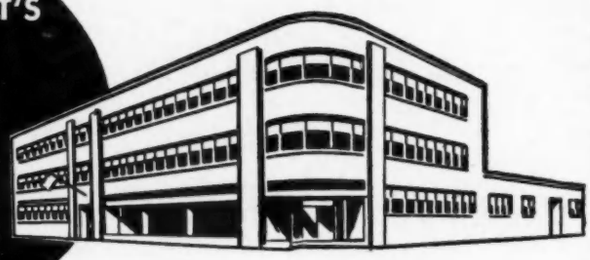
Thompson Products

MICHIGAN PLANT: • DETROIT • FRUITPORT • PORTLAND

TOOLS, Valve Grinding or Lapping, Hand

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Carston Mfg. Co., 46 N. 2nd St., Mt. Vernon, N. Y.
Central Auto Ignition Co., 2230 S. Wood St., Chicago, Ill.
Cornwell Quality Tools Co., Mogadore, Ohio.
Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif. (Air-driven.)
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
G. M. Mfg. Co., Inc., 13-08 43rd Ave., Long Island City, L. I., N. Y. (Valve grinding.)
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa. (Vacuum.)
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
New Britain Machine Co., South St., New Britain, Conn.
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich.

IN CHICAGO IT'S
ILLINOIS AUTO ELECTRIC CO.

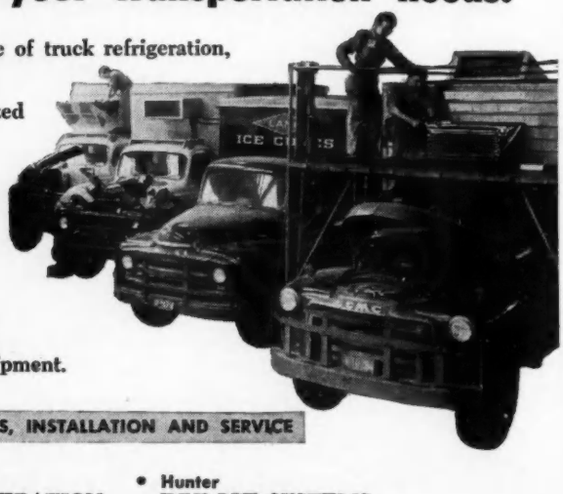


Specialists in

TRUCK REFRIGERATION

engineered to your transportation needs!

Before deciding on any type of truck refrigeration, consult with Illinois Auto Electric Company's specialized staff for the type of units most suitable for your specific needs. You can benefit from our years of experience as HEADQUARTERS for the nation's finest lines of mobile refrigeration equipment.



COMPLETE "ONE-STOP" SALES, INSTALLATION AND SERVICE

- Arctic-Traveler MECHANICAL REFRIGERATION
- Lehigh "Blu-Cold" MECHANICAL REFRIGERATION
- Kold-Hold HOLD-OVER PLATES
- Foster-Built Bunkers DRY ICE SYSTEMS
- Hunter DRY ICE SYSTEMS
- Kold-Trux MOBILE REFRIGERATION
- Allen Cooler MECHANICAL REFRIGERATION
- Frigikar AUTOMOTIVE AIR-CONDITIONING

Call us regarding your special equipment needs.
ILLINOIS AUTO ELECTRIC CO.
2011-37 S. Indiana Ave. • Chicago 16, Ill.
Phone CAlumet 5-4444

TOOLS, Valve Guide Cleaning

Bacharach Industrial Instrument Co., 7301 Penn Ave., Pittsburgh 8, Pa.
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Cornwell Quality Tools Co., Mogadore, Ohio.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Miller Co., L. B., 394 State St., Stamford, Conn.
New Britain Machine Co., South St., New Britain, Conn.
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Pittsburgh Plate Glass Co. (Brush Div.), 3221 Frederick Ave., Baltimore 29, Md. "Even Trim." (Brushes, for hand use or with portable drills.)
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Scully Steel Products Co., 1319 Wabansia Ave., Chicago, Ill. "Ruggles Perfection." (Hand.)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Electrical Tool Co., 3620 Llewelyn St., Cincinnati 23, Ohio.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.

TOOLS, Valve Guide Installing and Removing

Advertising Distributors, Inc., 5046 Shaw Ave., St. Louis 10, Mo. "A.D.I."
All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif. (For Ford cars.)
Atmars-Mechanico, 3561 Lakeshore Ave., Oakland 10, Calif.
Bishman Mfg. Co., Osseo, Minn.
Cornwell Quality Tools Co., Mogadore, Ohio.
Hub City Iron Co., 218 1st Ave. S.W., Aberdeen, S. Dak.
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Minnesota Automotive, Inc., 1101 N. Front St., Mankato, Minn. "Slick."
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn.
Rinck-Ilwaine, Inc., 16 Hudson St., New York 13, N. Y.
Thompson Products, Inc., 2196 Clarkwood Rd., Cleveland 3, Ohio.
Zim Mfg. Co., 3037 Carroll Ave., Chicago 12, Ill.

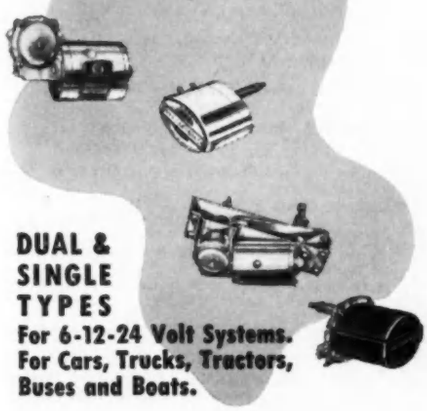
TOOLS, Valve Lifting and Spring Compressing

All-Power Mfg. Co., 400 Roosevelt Ave., Montebello, Calif. (For Ford cars.)
Associated Producers, Inc., 1603 Fisher Bldg., Detroit 2, Mich. "Easy-Way."
Atmars-Mechanico, Oakland 10, Calif.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 46, Wis.
Clark-Feather Mfg. Co., 116 W. Railroad Ave., Fort Morgan, Colo.
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand." "Van Chrome."
Houser Engrg. & Mfg. Co., 200 S. Spring St., Bluffton, Ind.
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.

with AMERICAN BOSCH CONSTANT ELECTRIC ACTION WINDSHIELD WIPERS

The National Safety Council says—"Safe Driving Depends on Good Vision . . . Keep Windshields Clean" . . . American Bosch Electric Windshield Wipers assure this CONSTANT GOOD VISION in the roughest weather—no stuttering or stalling on up-grades or during acceleration! Operating independently of engine vacuum and regardless of speed or load, these constant, electric action Wipers *always* function *steadily*.

There are Dual and Single types for many vehicles . . . including new models that operate large size arms and blades up to 20" in length. Heavy duty American Bosch construction, guarantees years of trouble-free service. Now in wide use as original equipment, these Electric Wipers are today's positive answer to good vision for your operators in bad weather, and the best insurance for you. Write today for the application data for all the vehicles in your fleet. American Bosch, Springfield 7, Massachusetts.



DUAL & SINGLE TYPES
For 6-12-24 Volt Systems. For Cars, Trucks, Tractors, Buses and Boats.

AMERICAN BOSCH

TOOLS, Valve Lifting and Spring Compressing—*continued*

K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Kennedy Service Tools Co., P. O. Box 38, Mogadore, Ohio.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Minnesota Automotive, Inc., 1101 N. Front St., Mankato, Minn. "Slick."
New Britain Machine Co., South St., New Britain, Conn.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Waterloo Valve Spring Compressor Co., 300 Ansborough Ave., Waterloo, Iowa. "Little Wonder."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y. "KRW-Zim."
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

TOOLS, Valve Seat Installing, Removal

Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa.
Bishman Mfg. Co., Osseo, Minn.
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock-Out."
Speaker Mfg. Co., 1440 E. 19th St., Indianapolis, Ind.

TOOLS, Valve Seat Refinishing

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Alvord-Polk Tool Co., 110 Gearhart St., Millersburg, Pa. "Alpo."
Beard Tool Co., L. O. Andrew & Mill Sts., Lancaster, Pa.
Black and Decker Mfg. Co., 624 Pennsylvania Ave., Towson 4, Md.
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids 1, Iowa. "Kwik-Way."
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
Keystone Reamer & Tool Co., Millersburg, Pa.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
New Britain Machine Co., South St., New Britain, Conn.
Rottler Boring Bar Co., 513 N. 36th St., Seattle, Wash.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
United States Electrical Co., 3620 Llewelyn St., Cincinnati 23, Ohio.
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

TOOLS, Wire Stripping

Burndy Engineering Co., Norwalk, Conn.
Crescent Co., 20 Central Ave., Pawtucket, R. I. "Wirey Joe."
Holub Industries, Inc., 413 De Kalb Ave., Sycamore, Ill.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Martindale Electric Co., 1340 Third Ave., Cleveland 7, Ohio.

TORCHES, Hand

Bernz Co., Inc., Otto, 280 Lyell Ave., Rochester, N. Y.
Precision Engineering & Mfg. Co., Saginaw, Mich.
Pressure Products Corp., 140 N. Dearborn St., Chicago 2, Ill. "Prepo."

TORQUE WRENCHES, See Wrenches, Torque

TOWERS, Repair or Service

(For use in overhead repairs)

Crown Steel Products Co., Orrville, Ohio. (Ladders.)
De-Lux Neon Mfg. Co., 1007 N.W. 36th St., Oklahoma City 3, Okla. "Memco" (Ladders.)
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio.
McCabe-Powers Auto Body Co., 5900 N. Broadway, St. Louis 15, Mo. "Powers-American."
Silent Hoist & Crane Co., 852 63rd St., Brooklyn 20, N. Y.

TOWING EQUIPMENT. See Hooks, Towing; also Bars, Towing; also Cranes, Service Truck

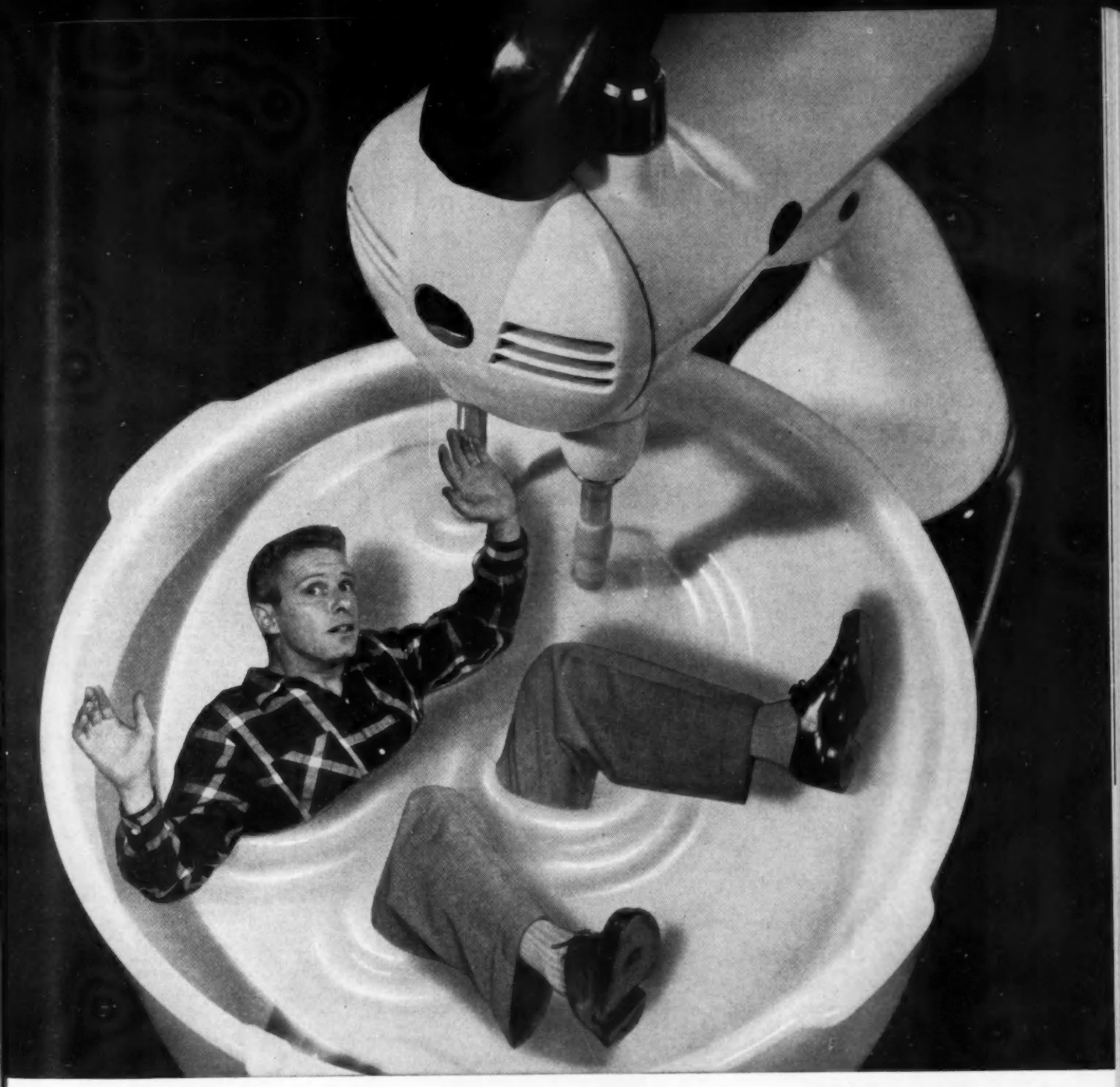
TRAILERS, Automobile Transport

Fruehauf Trailer Co., 10904 Harper Ave., Detroit 32, Mich.
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich.
Traffic Transport Engr., Inc., 14301 Schaden Ave., Dearborn, Mich.
Whitehead & Kales, 58 Haltiner St., River Rouge 18, Mich. "W & K."

TRAILERS, Commercial

Aluminum Body Corp., 1600 Washington Blvd., Montebello, Cal.
Ace Trailer & Equipment Co., Div. Reliable Automotive Co., H & San Joaquin Sts., Fresno, Cal. (6-wheel, 4-wheel and semi.)

3, N. Y.
icago, Ill.
Removal
Mill Sts.,
N. 17th
vik-Way."
ve., S. E.,
., Indian-
e., Sioux
St., Mil-
Sts., Lan-
nsylvania
17th St.,
ay."
are Ave.,
General
burg, Pa.
e., S. E.,
St., New
36th St.,
e., Ken-
Llewelyn
3, N. Y.
nn.
ket, R. I.
lb Ave.,
e., Syca-
d Ave.,
ochester,
Saginaw,
born St.,
, Torque
, Ohio.
6th St.,
" (Lad-
, Cleve-
. Broad-
-Ameri-
Brook-
Towing;
Service
ve., De-
) Nancy
Schaden
, River
n Blvd.,
Reliable
in Sts.,
semi.)
, 1954



All mixed up about brake lining?

Brake lining claims coming at you hot and heavy? Got you confused? All mixed up? There's no need to be. Here's one *sure* thing that makes sense in any man's language . . .

Today, Bendix-Eclipse Brake Linings and heavy-duty frictional materials are used on more *new* vehicles than any other make! The choice by far of America's leading car and truck manufacturers. And since the earliest days of the automobile, the name "Bendix" has always been identified and associated with every major braking improvement and advancement.

What better assurance could you have that Bendix-Eclipse* Brake Blocks and Linings are *best* for you. Order your stock now from your local Bendix-Eclipse jobber.

*REG. U.S. PAT. OFF.

On more new vehicles than any other make

Bendix-Eclipse Brake Blocks and Linings

MARSHALL-ECLIPSE DIVISION OF Bendix AVIATION CORPORATION TROY, NEW YORK

Export Sales: Bendix International Division, 205 East 42nd St., New York 17, N. Y.

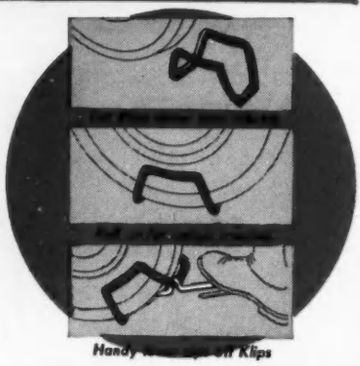
FINEST FOR FLEETS!

CAMPBELL CHAIN

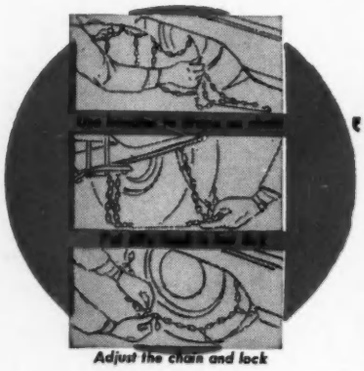
A Complete Line of
Regular and Emergency Traction Equipment

Revolutionary NEW Emergency
"TRACTION KLIPS"

Tuck a Klip under each rear wheel . . . roll on . . . roll away! Even spinning wheels will pick up Klips—get you out of ruts, up slippery hills, away from icy gutters. Klip remover tool included for easy release. The greatest emergency traction device ever! For all passenger cars, taxis, light trucks.



Handy [illegible] Klips



Adjust the chain and lock

Campbell's NEW Minute-A-Wheel
"KWIK-ON" TIRE CHAINS

Complete chains for continuous use. Just one minute per wheel—and you're ready for snow, ice or mud! Just slip chain over wheel with handy handles—push rod in back of tire—adjust and lock. Special plastic sleeve protectors come with each set. No jacking or moving vehicle . . . no dirty work. Perfect to speed up—and ease up—your fleet service.

A Campbell Exclusive—*Lug-Reinforced*
PASSENGER CAR CHAINS

Patented *Lug-Reinforced* construction that digs in for greater traction . . . greater protection against skids and side slips. Easy-to-use Chain Applier included with every pair. The finest tire chains money can buy! Store neatly in sturdy box. Get a set for every car in your fleet!

Three Grades of Campbell
TRUCK CHAINS

Lug-Reinforced for maximum traction and long wear—*Highway Service* for general use—*Mud Service* for off-the-road use. Color-coded bags save handling time—make identification easy.

Ask your jobber to recommend just the right Campbell Chain for the job at hand. If you prefer, write direct.

CAMPBELL CHAIN *Company*
MAIN OFFICE, YORK, PA.
West Burlington, Iowa; Portland, Oregon; Sacramento, Calif.

Chain for every need . . . industrial . . . marine . . . farm . . . automotive

TRAILERS

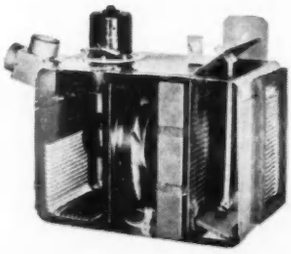
TRAILERS, Commercial—*continued*

American Body & Trailer, Inc., P. O. Box 1150 Oklahoma City 1, Okla. (Semi.)
American Trailer & Mfg. Co., 1017 Santa Fe Ave., Los Angeles 21, Cal. (Also one-wheel type.)
Andrews Industries, Inc., 7901 Alabama Ave., St. Louis 11, Mo. (Refrigerated, etc.)
Athey Products Corp., 5631 W. 65th St., Chicago 38, Ill. (Off-the-highway.)
Atlas Body Corp., 4150 E. Thompson St., Philadelphia 37, Pa. "Berger" (to order).
Baker Equipment Engineering Co., Summit & Norfolk Sts., Richmond 11, Va. (Lumber, log, pole and semi.)
Baker Trailer & Body Co., 700 N. 20th St., St. Louis 3, Mo.
Bartlett Trailer Corp., 3080 Archer Ave., Chicago 8, Ill.
Beal Pipe & Tank Corp., 12005 N. Burgard St., Portland 3, Ore. (Logging and machinery.)
Birmingham Mfg. Co., 1101 S. 2nd Ave., (P. O. Box 1351), Birmingham, Ala. (Low bed machinery.)
Black Diamond Trailer Co., Euclid Ave., Bristol, Va.
Brown Trailers, Inc., Box 473, Toledo, Ohio (Aluminum, cargo & van.)
Bunyan Co., Paul, 1602 Cove Ave., La Grande, Oreg. "Paul Bunyan."
C & C Trailer & Body Co., 8855 San Leandro St., Oakland 21, Calif.
Carlisle Machine Works, Box 8, Longview, Tex. (Dump, stock and pick-up.)
Chadwick, Inc., Seventh St. & Keystone Ave., Darby, Pa. (Also low-bed machinery.)
Clark Co., B. M., Union, Maine.
Converto Mfg. Co., Cambridge City, Ind.
Cook Bros. Equipment Co., 3334 San Fernando Rd., Los Angeles 65, Calif.
Corbitt Co., Div. of United Industrial Syndicate, Inc., Henderson, N. C. (Semi-van and frame.)
Cresci, A., & Sons, Vineland, N. J.
Dart Truck Co., 27th & Oak Sts., Kansas City, Mo. (Semi, 4-wheel, pole & machinery.)
Delphi Body Works, 311 S. Washington St., Delphi, Ind.
Dorsey Trailers, Inc., Elba, Ala. (Van, stake, platform, pole, machinery, etc.)
Dura-Bilt Body Co., #8 National Dock East, Boston 28, Mass.
Easton Car & Construction Co., Liberty & Holley Sts., Easton, Pa. (Off-the-highway, for mines, quarries, etc.)
Edwards Trailer Co., Div. of Edwards Iron Works, Center Line, Mich. (Mailing address, 23500 Sherwood Rd., Detroit 34, Mich.) (Semi, 4-wheel, dump, etc.)
Eidal Mfg. Co., 250 Woodward Rd. S.E., Albuquerque, N. M.
Evans Mfg. Co., John, 3 Miles South on Hwy. 15A, Sumter, S. C. (Flat, log, van and special pulpwood.)
F.A.B. Mfg. Co., 1249 67th St., Oakland 8, Cal. "Fabco." (Full, semi and log.)
Feigelson Co., Alex., 500 S. Fourth St., Beaumont, Tex. (Oilfield, logging, low bed, etc.)
Fontaine Truck Equipment Co., 1232 37th Place N., Birmingham, Ala. (Bus and low-bed machinery.)
Four Wheel Drive Auto Co., Eagle Div. 414 E. Winnepago St., Appleton, Wis. (Public utility.)
Freightliner Corp., 5400 N. Basin Ave., Portland, Ore.
Fruehauf-Carter Div. Fruehauf Trailer Co., 587 Hernando St. (P. O. Box 2086), Memphis, Tenn.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Gate City Steel-Boise, 4000 Warm Springs Ave., Boise, Idaho.
Gentry Body & Trailer Co., N. Fourth St., Chickasha, O.
Gibbes Machinery Co., 1029 Wheat St., Columbia, S. C. (Platform and pole.)
Gichner Iron Works, Inc., Fred S., 1214 S. 24th St., N.W., Washington 7, D. C.
Gindy Mfg. Corp., Boot Rd. & Chestnut St., Downingtown, Pa.
Gramm Trailer Corp., First Lima Bldg., Lima, Ohio. (Semi and 4-wheel.)
Halsey Machine & Mfg. Co., 131 Arrowhead Ave., San Bernardino, Calif. (Vegetable.)
Hanson Clutch & Machinery Co., Wall & Miami Sts., Tiffin 15, Ohio. (Machinery.)
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Hobbs Mfg. Co., 609 N. Main St., Fort Worth 1, Tex.
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio. (Pole.)
Humes Truck & Trailer Mfg. Co., 907 Franklin Ave., Steubenville, Ohio.

a new heater defroster

specially designed by *EVANS* for large truck cabs

MODEL ED-90



Removing front cover exposes all elements for easy servicing. Note the exclusive Evanair 9" Die-cast fan, the interlocked dampers for mixing recirculated and fresh air, the extra thick 2" core, the built-in high pressure blower with extra large motor and the over-all heavy duty construction.

- **100% fresh air or mixed with recirculated air as driver desires**
- **Powerful built-in pressure type defroster blower 72.2 CFM of hot air at windshield**
- **Controlled summer comfort, 100% fresh air with water shut off**
- **Balanced heat distribution to cab floor, driver and helper**
- **Pressurized heating and ventilating when set for all fresh air**
- **Plus all these Evans standard features: Distinctive Styling, Compact Design, Modern Appearance, Built-in Durability, High Efficiency, Engineered-to-match motors, fans and cores, Easily Accessible Components, Full-Year (or 50,000 mile) Warranty.**

When Purchasing New Trucks and Buses, Specify EVANS HEATER DEFROSTERS
Evans Products Company, Dept. Q-11, Plymouth, Michigan

EVANS ... ***BALANCED HEATING & VENTILATING SYSTEMS FOR EVERY TRUCK AND BUS*** ... EVANS ®

TRAILERS, Commercial—*continued*

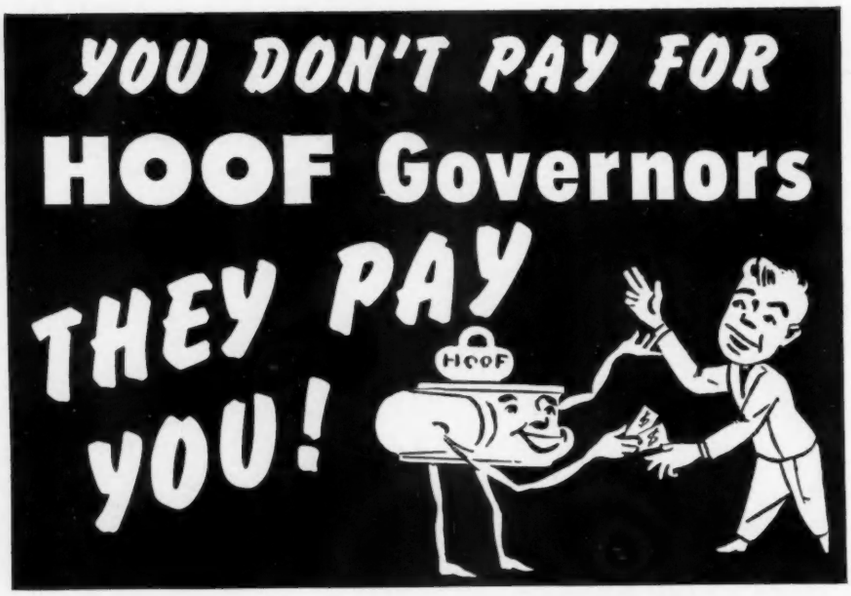
Ideal Mfg. Co., 1107 S. 7th St., Oskaloosa, Iowa.
Kentucky Mfg. Co., 2601 S. Third St., Louisville 8, Ky.
Keystone Trailer & Equipment Co., 1501 Guinotte Ave., Kansas City 1, Mo.
Kingham Trailer Co., 15th & Hill Sts., Louisville, Ky. "Kingham-Universal."
La Crosse Trailer Corp., P. O. Box A, La Crosse, Wis. (Also machinery.)
Langlois Bros., 717 S. San Pedro St., Los Angeles 14, Calif.
Lufkin Foundry and Machine Co., Lufkin, Tex. (Van, platform, float, pole, low boy, etc.)
M-B Corp., 1615 Wisconsin Ave., New Holstein, Wis. (Two-wheel, tractor and implement.)
McCabe-Powers Auto-Body Co., 5900 N. Broadway, St. Louis 15, Mo.
McKay Mfg. Co., John A., Dunn, N. C. "McKay Sturdybilt."
Marion Metal Products Co., Cheney Ave., Marion, Ohio. (Dump.)
Martin Machine Co., South & Tenney Sts., Kewanee, Ill. Heavy duty machinery; sole distributors, Caterpillar Tractor Co., 600 W. Washington St., Peoria 8, Ill.
Mastercraft Trailers, Inc., Middlefield St., Middletown, Conn. (Two-wheel utility.)
Miami Specialties Co., 221 S. Plum St., Troy, Ohio.
Miller Trailers, Inc., 708 3rd St., Bradenton, Fla.
Montgomery Body & Trailer Mfg. Co., Route 37 South, Salem, Ill.
Monroe Mfg. Co., C. N., 2525 S. Dort Highway, Flint 7, Mich. (Tilting-platform.)
Nabors Co., W. C., Mansfield, La.
Ohio Body Mfg. Co., New London, Ohio. (Semi.)
Omaha Standard, 2401 W. Broadway, Council Bluffs, Iowa. (Semi and bottom dump.)
Oren Fire Apparatus Co., 1201 W. Salem Ave., Roanoke, Va. (Fire pumping units.)
Page & Page Co., 0605 S. W. Curry St., Portland 1, Ore. (Dual axle logging.)
Paul Bunyan Co., 1602 Cove Ave., La Grande, Ore. "Paul Bunyan."
Pierce Trailer & Equipment Co., 1306 S. E. Ninth Ave., Portland 14, Ore. (Logging, lumber and machinery.)
Pike Trailer Co., 2615 So. Santa Fe Ave., Los Angeles, Calif.
Pointer-Williamette Co., P. O. Box 368, Edmonds, Wash. (Machinery and highway.)
Progress Mfg. Co., Oil Equipment Div., Arthur, Ill.
Reliance Trailer & Truck Co., 2765 16th St., San Francisco 3, Cal. (Also logging.)
Rogers Bros. Corp., Orchard St., Albion, Pa. (Low bed heavy duty.)
Schonrock Equip. Mfg. Co., Municipal Airport (P. O. Box 1543), San Angelo, Tex. (Cable dump.)
Schult Corp., 1800 S. Main St., Elkhart, Ind.
Spencer-Saffard Loadcraft, Inc., Augusta, Kan. (Semi, pole, four-wheel, van, stock, rack, etc.)
Steel Products Co., P. O. Box 1007, Savannah, Ga. "Great-Dane."
Strick Co., Whitaker Ave. at Godfrey, Philadelphia 24, Pa.
Superior Trailer Mfg. Corp., 1125 Georgia St., Indianapolis, Ind.
Superior Trailer Works, 1430 E. Washington Blvd., Los Angeles 21, Calif.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Mass.
Thompson Trailer Corp., Pikesville, Md.
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Trailco Mfg. & Sales Co., Mill St., Hummels Wharf, Pa. (Semi.)
Trailmobile, Inc., 31st & Robertson Aves., Cincinnati 9, Ohio.
Truck Engineering Corp., 1285 W. 70th St., Cleveland 2, Ohio. "TEC." (Four-wheel, semi and pole.)
Tyler Equipment Co., P. O. Box 1674, Houston 1, Tex. (Horse, stock, etc.)
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Cal.
Veenema & Wiegers, Inc., 241 N. Tenth St., Paterson 2, N. J. "V & W." (Chassis-less.)
Weber Trailer & Mfg. Co., 8400 E. Slauson Ave., Rivera, Calif. (Mailing address, P. O. Box 2473, Los Angeles 54, Calif.) (Semi, four, six-wheel and machinery.)
Wentworth & Irwin, Inc., 123 N. E. Oregon St., Portland 14, Ore. (Also logging and lo-bed.)
Whitehead & Kales Co., 58 Haltiner St., River Rouge 18, Mich. "W. & K."
Williamsen Body & Equipment Co., Ninth & Wall Sts., Ogden, Utah. "Wabco."
Wilson Trailer Co., 2400 Leech Ave., Sioux City 6, Iowa. (Grain, livestock, van and refrigerated.)
Winter-Weiss Co., 2201 Blake St., Denver 5, Colo. (Low bed machinery and farm.)

TRANSMISSION JACKS, See Jacks, Transmission

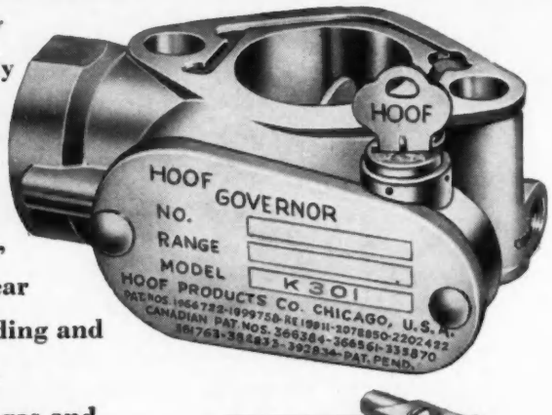
TRANSMISSION STANDS, See Stands, Engine and Transmission Repair

TRANSMISSIONS

Clark Equipment Co., Gear & Forge Div., Horton & Tyson Sts., Jackson, Mich. (Truck and bus.)
Detroit Transmission Div., General Motors Corp., 5140 Riopelle St., Detroit 11, Mich. "HydraMatic."
Fuller Mfg. Co., Transmission Div., Prouty St., Kalamazoo 13F, Mich. (Truck.)
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Spicer Brown-Lipe" (Bus and truck.)



Hoof Governors *pay back* their extremely low cost many times *each year* . . . actually save from 20% to 50% on tires, brakes, clutches, rear ends, motor rebuilding and other maintenance expense . . . save on gas and oil, reduce accident hazards. Against savings such as these, the few dollars invested per Hoof unit are truly negligible. Write for FACTS!



No other Governor has Hoof's patented Cantilever Spring that means more accurate speed control, simplified construction and longer life.

HOOF PRODUCTS CO. 6543 So. Laramie Ave., Chicago 38, Ill.

NEW, LIGHTER,
more powerful...
SIOUX
ELECTRIC DRILLS
This NEW ½" Drill has the power for heavy duty work. It's shown here equipped with diamond drill going through the high carbon steel of a bumper. Side handle is movable. It's Model No. 1498!
Carbon comes out of combustion chambers in a hurry with this NEW ¼" Drill shown here equipped with wire brush. It's lightweight, compact, ideal for mechanics' tool kits. Ask for the NEW Sioux Model No. 1475!
There's an answer for those hard to get at places in automotive, aircraft, and industrial work—it's the popular Sioux ¼" all-angle Drill, designed especially for working in close quarters.
Use SIOUX all the way through!
Electric Drills, Sanders, Polishers, Bench Grinders, Portable Grinders, Valve Seat and Face Grinders, Electric Hand Saws, Flexible Shafts, Abrasive Discs.
Write for the new SIOUX catalog...
Sold only through authorized SIOUX distributors
ALBERTSON & CO., INC.
SIOUX CITY, IOWA, U.S.A.

TRANSMISSIONS, Automatic

Detroit Gear Div., Borg-Warner Corp., 12345 Kercheval Ave., Detroit 14, Mich.
Warner Gear Div., Borg-Warner Corp., 1106 E. Seymour St., Muncie, Ind.

TRANSMISSIONS, Auxiliary

Allison, Div. General Motors Corp., W. 10th St. at Grande Ave. (Speedway), Indianapolis 6, Ind. "Torqmatic."
Borg & Beck Div. Borg-Warner Corp., 6558 S. Menard Ave., Chicago 38, Ill. "B & B."
Cook Bros. Equipment Co., 3334 San Fernando Rd., Los Angeles 56, Calif.
Fuller Mfg. Co., Transmission Div., Prouty St., Kalamazoo 13F, Mich.
Sherman Products, Inc., 3200 W. 14 Mile Rd., Royal Oak, Mich. (Tractor)
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Spicer Brown-Lipe."
Truckstell Mfg. Co., 2016 Union Commerce Bldg., Cleveland 14, Ohio. (Overdrive, for Chevrolet cars.)
Warner Gear Div., Borg-Warner Corp., 1106 E. Seymour St., Muncie, Ind. (Overdrive unit.)

30 day FREE trial
in your own shop
OTC HYDRAULIC PRESS

SELECT ANY ONE OF THE THREE UNITS SHOWN 17½ and 30 TON

It costs you nothing—absolutely nothing—to try one of the famous OTC Hydraulic Press Units in your own shop on your own jobs for up to 30 days. There are no strings attached, no money down, no gimmicks.

Just call your OTC jobber—select the Press you want—and use it for 30 days. Frankly, we think you won't be able to get along without it—but if you're not completely satisfied, your jobber will arrange to take it back with no obligation to you.

You can use the OTC Press to pull, push, straighten, bend, press, spread—pull and install bearings, bearing outer races, gears, shafts, wheels, pinions and so forth.

The Hydraulic Ram is detachable for use with Standard OTC Pullers for use as a portable power unit. Use it to pull and install cylinder sleeves, King Pins, sheaves and on many other jobs. Once you've tried it, you'll find it the most profitable tool in your shop.

DON'T WAIT—CALL YOUR JOBBER IMMEDIATELY OR WRITE US

OWATONNA TOOL COMPANY
341 CEDAR STREET • OWATONNA, MINNESOTA

Watson Co., H. S., 1316 67th St., Oakland 8, Calif. "Watson-Brown-Lipe."

TRUCKS, Diesel

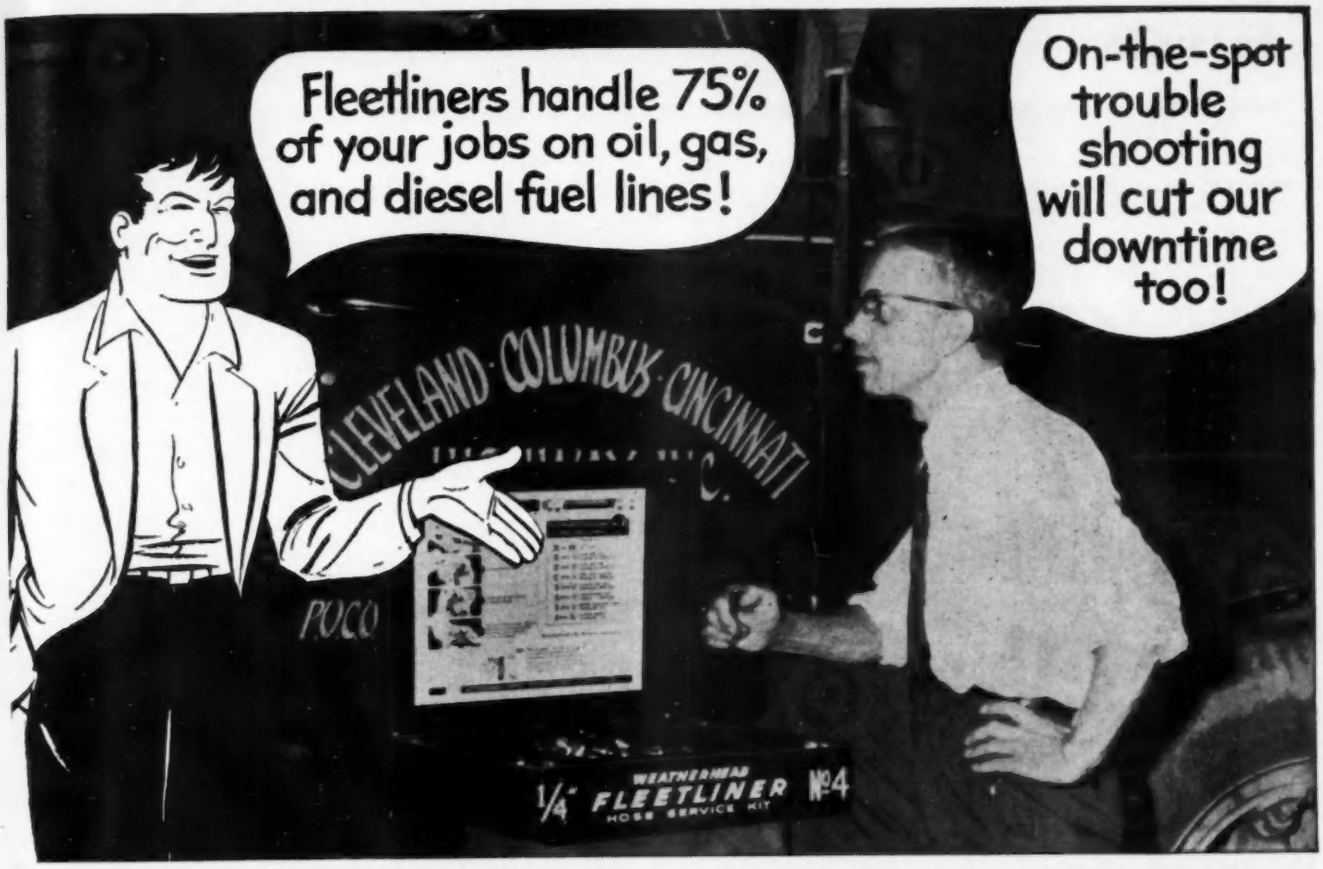
American-Coleman Co., Littleton, Colo.
Autocar Div. of White Motor Co., Exton, Pa.
Available Truck Co., 2501 Elston Ave., Chicago, Ill.
Cline Truck Co., 1116 Campbell St., Kansas City, Mo.
Cook Bros. Equipment Co., 3334 San Fernando Rd., Los Angeles 65, Calif.
Corbitt Co., Henderson, N. C.
Dart Truck Co., 27th & Oak Sts., Kansas City, Mo.
Diamond T Motor Car Co., 4401 W. 26th St., Chicago 23, Ill.
Duplex Truck Co., Hazel St., Lansing 4, Mich.
Euclid Road Machinery Co., 1361 Chardon Rd., Cleveland 17, Ohio. (Dump, for off-the-highway service.)
Federal Motor Truck Co., 5780 Federal Ave., Detroit 9, Mich.
Four Wheel Drive Auto Co., E. 12th St., Clintonville, Wis. "FWD."
Freightliner Corp., 5400 N. Basin Ave., Portland, Ore.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich.
Hendrickson Mfg. Co., 8001 W. 47th St., Lyons, Ill.
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Kenworth Motor Truck Corp., 8801 E. Marginal Way, Seattle 8, Wash.
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
Oshkosh Motor Truck, Inc., 2300 Oregon St., Oshkosh, Wis.
Parsons Co., Newton, Iowa. "Dumptor." (For off-the-highway service.)
Peterbilt Motors Co., 107th Ave. & MacArthur Blvd., Oakland 5, Calif.
Reo Motors, Inc., 1331 S. Washington Ave., Lansing, Mich.
Sicard Industries, Inc., 753 W. Main St., Watertown, N. Y. (Snow fighters and street flushers.)
Sterling Div. The White Motor Co., 2021 S. 54th St., Milwaukee 1, Wis.
Studebaker-Packard Corp., 635 S. Main St., South Bend 27, Ind.
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, L. I., N. Y.
Ward-LaFrance Truck Corp., Grand Central Ave. & 11th St., Elmira Heights, N. Y.
White-Freightliner (Sole distributors, White Motor Co., 842 E. 79th St., Cleveland 1, Ohio.)
White Motor Co., 842 E. 79th St., Cleveland 1, Ohio.

TRUCKS, Fire Apparatus

Ahren-Fox, Inc., 1650 Central Ave., Cincinnati 14, Ohio.
American-LaFrance-Foamite Corp., 100 E. LaFrance St., Elmira, N. Y.
Biederman Motors Corp., 2131 Spring Grove Ave., Cincinnati 14, Ohio.
Crown Body & Coach Corp., 2500 E. 12th St., Los Angeles 21, Calif.
Federal Motor Truck Div., Federal Fawick Corp., 5780 Federal Ave., Detroit 9, Mich.
Four Wheel Drive Auto Co., E. 12th St., Clintonville, Wis. "FWD."
Hahn Motors, Inc., 400 S. Third St., Hamburg, Pa.
Howe Fire Apparatus Co., 1402 W. 22nd St., Anderson, Ind.
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
Maxim Motor Co., 170 Wareham St., Middleboro, Mass.
Oren Roanoke Corp., 1201 W. Salem Ave., Roanoke, Va.
Pirsch & Sons Co., Peter, 1308 35th St., Kenosha, Wis.
Seagrave Corp., 2000 S. High St., Columbus, Ohio.
Universal Fire Apparatus Corp., Ft. of Wheatland Ave., Logansport, Ind.
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, L. I., N. Y.
Ward-LaFrance Truck Corp., Grand Central Ave. & 11th St., Elmira Heights, N. Y.

TRUCKS, Gasoline

American-Coleman Co., Littleton, Colo.
Autocar Div. of White Motor Co., Exton, Pa.
Automatic Transportation Divs., Yale & Towne Mfg. Co., 101 W. 87th St., Chicago 20, Ill.



Capt. Easy Tells CCC Highway About Weatherhead Fleetliner Hose Service Kits!

UNIVERSAL APPLICATION . . . . . Fleetliner Hose Service Kits meet 75% of all needs for oil, gas and diesel fuel lines on buses, trucks and marine engines.

QUICK, EASY ASSEMBLY . . . . . Weatherhead H-9 Hose needs no skiving; there's no metal reinforcement, so you can cut it with a knife. As a result, you can make up hose assemblies in a matter of minutes.

CUTS MAINTENANCE COST . . . . . With a Weatherhead Fleetliner on your service truck, you can make on-the-spot repairs that cut costly down time. You save on hose, too; Weatherhead H-9 costs 30% less than comparable heavy-duty hose.

CHOICE OF THREE MODELS . . . . . Weatherhead Fleetliners are available in ¼", 5/16" and ⅜" sizes, each with 25 feet of hose and a wide assortment of matching corrosion-resistant brass couplings—packaged in a durable steel cabinet, furnished free of charge.

SEE YOUR WEATHERHEAD DISTRIBUTOR
or write: The Weatherhead Company,
300 East 131st Street, Dept. T,
Cleveland 8, Ohio.

WEATHERHEAD
THE ORIGINAL EQUIPMENT LINE

TRUCKS, Gasoline—*continued*

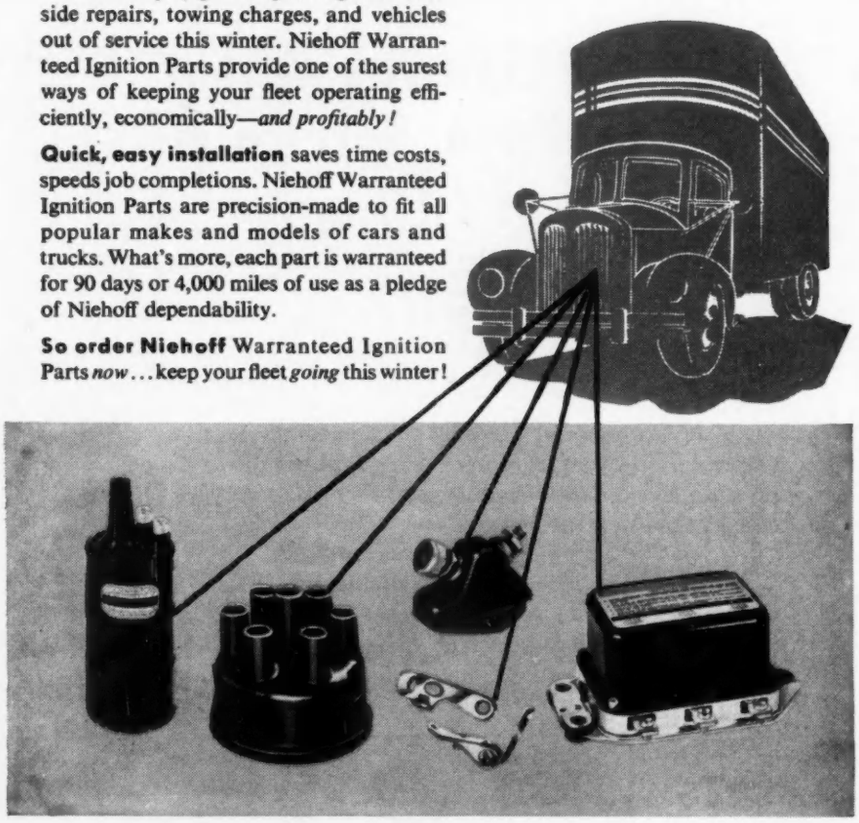
Available Truck Co., 2501 Elston Ave., Chicago, Ill.
Biederman Motors Corp., 2131 Spring Grove Ave., Cincinnati 14, Ohio.
Brockway Motor Co., 106 Central Ave., Cortland, N. Y.
Chevrolet Motor Div. of General Motors Corp., General Motors Bldg., Detroit 2, Mich.
Cook Bros. Equipment Co., 3330 San Fernando Rd., Los Angeles 65, Calif.
Corbitt Co., Henderson, N. C.
Dart Truck Co., 27th & Oak Sts., Kansas City, Mo.
Diamond T Motor Car Co., 4401 W 26th St., Chicago 23, Ill.
Divco Corp., 22000 Hoover Rd., Detroit 5, Mich. (Frequent stop.)
Dodge Div., Chrysler Corp., 7900 Joseph Campau Ave., Detroit 31, Mich.
Duplex Truck Co., Hazel St., Lansing 4, Mich.
Esco Motor Co., c/o Exhibitor's Service Co., W. General Robinson St., N. S., Pittsburgh, Pa.
Ford Motor Co., 3000 Schaefer Rd., Dearborn, Mich.
Four Wheel Drive Auto Co., E. 12th St., Clintonville, Wis. "FWD."

COLD-WEATHER
Tune-Ups Save Money!
Start Now—with NIEHOFF
Warranteed Ignition Parts

Save money by guarding *now* against roadside repairs, towing charges, and vehicles out of service this winter. Niehoff Warranteed Ignition Parts provide one of the surest ways of keeping your fleet operating efficiently, economically—*and profitably!*

Quick, easy installation saves time costs, speeds job completions. Niehoff Warranteed Ignition Parts are precision-made to fit all popular makes and models of cars and trucks. What's more, each part is warranteed for 90 days or 4,000 miles of use as a pledge of Niehoff dependability.

So order Niehoff Warranteed Ignition Parts *now*... keep your fleet *going* this winter!



C. E. NIEHOFF & CO.

4925 LAWRENCE AVENUE, CHICAGO 30, ILLINOIS
WAREHOUSES: NEW YORK 19, N. Y., 250 W. 54th Street
PHILADELPHIA, PA., 1631 Fairmont Ave. • BOSTON 34, MASS., 254 Brighton Avenue
BRANCHES: LOS ANGELES 15, CALIF., 1330 W. Olympic Blvd.

GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich.
Hahn Motors, Inc., 400 S. Third St., Hamburg, Pa.
Hendrickson Motor Truck Co., 8001 W. 47th St., Lyons, Ill.
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Kenworth Motor Truck Corp., 8801 E. Marginal Way, Seattle 8, Wash.
Linn Coach & Truck Div., Great American Industries, Inc., 443 Chestnut St., Onenonta, N. Y. (Frequent stop; also custom coaches, for medical, X-ray, dental and television; also business display.)
Mack Mfg. Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
Marmon-Herrington Co., Inc., 1511 W. Washington St., Indianapolis 7, Ind. (Four wheel drive.)
Milford Crane & Machine Co., 841 63rd St., Brooklyn 20, N. Y. (4-axle crane truck and special purpose.)
Oshkosh Motor Truck, Inc., 2300 Oregon St., Oshkosh, Wis.
Parsons Co., Newton, Iowa. "Dumptor." (For off-the-highway service.)
Peterbilt Motors Co., 107th Ave. & MacArthur Blvd., Oakland 5, Calif.
Pontiac Motor Div. General Motors Corp., Pontiac 11, Mich.
Reo Motors, Inc., 1331 S. Washington Ave., Lansing, Mich.
Sicard Industries, Inc., 753 W. Main St., Watertown, N. Y. (Snow fighters and street flushers.)
Spangler Engrg. & Sales Co., D. H., 426 S. Third St., Hamburg, Pa.
Sterling Div., The White Motor Co., 2021 S. 54th St., Milwaukee 1, Wis.
Studebaker-Packard Corp., 635 S. Main St., South Bend 27, Ind.
Truckstell Mfg. Co., 1435 Union Commerce Bldg., Cleveland 14, Ohio. (Dual axle drive conversions.)
Twin Coach Co., 850 W. Main St., Kent, Ohio. "Fageol Super Freighter."
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, Brooklyn 27, N. Y.
Ward-LaFrance Truck Corp., Grand Central Ave. & 11th St., Elmira Heights, N. Y.
White Motor Co., 842 E. 79th St., Cleveland 1, Ohio.
Willys-Overland Motors, Inc., N. Cove Rd., Toledo 1, Ohio. (Also jeeps.)

TRUCKS, Hand

Aerol Co., 2424 San Fernando Rd., Los Angeles 65, Calif.
American Pulley Co., 4200 Wissahickon Ave., Philadelphia 29, Pa.
Angle Steel Stool Co., 56 Oak St., Plainwell, Mich.
Armstrong Truck & Caster Div. of North Wales Foundry Co., North Wales, Pa.
Automatic Transportation, Div. Yale & Towne Mfg. Co., 101 W. 87th St., Chicago 20, Ill. "Transtractor." (Motorized.)
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Bishman Mfg. Co., Osseo, Minn. "Start Cart." (Battery.)
Bond Co., Charles, 617 Arch St., Philadelphia 6, Pa.
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Buschman Co., E. W., Spring Grove & Clifton Aves., Cincinnati 12, Ohio. "Wheel-it."
Cam Tool Co., 288 22nd St., Oakland 12, Calif. "Ormsby."
Chatillon & Sons, John, 85 Cliff St., New York 7, N. Y.
Clark Co., Geo. P., 35 Canal St., Windsor Locks, Conn.
Clark Equipment Co., Industrial Truck Div., Battle Creek 85, Mich.
Colson Corp., Elyria, Ohio.
Continental-Diamond Fibre Co., Newark 10, Del. "Diamond." (Fibre.)
Durlach Can & Iron Works, 174 Seventh St., Brooklyn 15, N. Y.
Electric Wheel Co., Quincy, Ill. "EWC."
Elwell-Parker Electric Co., 4215 St. Clair Ave., Cleveland 3, Ohio.
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Fairbanks Co., 393 Lafayette St., New York 3, N. Y.
Fibre Specialty Div., National Vulcanized Fibre Co., Box 311, Wilmington, Del.
French & Hecht Div., Kelsey-Hayes Co., 3rd & Fornam Sts., Davenport, Iowa.
Hamilton Caster & Mfg. Co., 1637 Dixie Highway, Hamilton, Ohio. "Morrison."

No space wasted!

EVERY INCH AN ACTIVE STOREHOUSE OF POWER!

Battery maintenance doesn't have to be a big expense item in your fleet. Not if you use Delco batteries — because every inside inch that ought to be working, *is working.* Every inch is an active storehouse of power designed to give you greater service at a lower cost per mile of operation. This is what has made Delco the nation's No. 1 battery in original equipment and replacement use!

FULL-SIZE PLATES—No fillers or spacers are used in Delcos, as in some batteries that look as big. Delco is 100% an active storehouse of real power.

POWER-FULL CASE—Specially designed, genuine hard rubber for each Delco model; newly engineered for 50% higher impact strength, withstands road shocks.

GENEROUS LIQUID RESERVE—Plates amply covered for 4000-6000 miles of normal driving, yet there's none of the false security of excessive reserves.

EXCLUSIVE "EXPANDER" FORMULA—This feature of the negative plates means greater cranking power, reduces harmful granulation. Patented! It's only in Delco!

Always replace with a

DELCO BATTERY

Original equipment on more new cars and trucks than any other brand

A GENERAL MOTORS PRODUCT — A UNITED MOTORS LINE

TRUCKS, Hand—*continued*

Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio.
Howe Scale Co., 3 Scale Ave., Rutland, Vt. (Platform.)
Illinois Iron & Bolt Co., 10 Main St., Carpentersville, Ill. "Hercules."
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
Kirk & Blum Mfg. Co., 3120 Forrer St., Cincinnati 9, Ohio.
Koehring Co., 3026 W. Concordia Ave., Milwaukee 10, Wis. "Dumptor."
Lansing Co., 603 N. Cedar St., Lansing 3, Mich. "Lanco."
Lewis Co., G. B., 426 Montgomery St., Watertown, Wis.
Lewis-Shepard Products, Inc., 125 Walnut St., Watertown, Mass. "Floor-Master."
Magline, Inc., 952 Murray Rd., Pinconning, Mich.
Mercury Mfg. Co., 4044 S. Halsted St., Chicago 9, Ill.
Nutting Truck & Caster Co., 1125 W. Division St., Faribault, Minn.
Rapids-Standard Co., 100 Rapistan Bldg., Grand Rapids 2, Mich. "Rapidstan."

Diesel Operators!

STEWART-WARNER

ELECTRIC TACHOMETERS

give you these

4 big advantages

Recorder Model—3" face dial, red "economy range" markers, revolution counter and totalizer (Odometer). Available in ranges: 0-2500; 0-4500.

1. Reduced Maintenance Costs . . . no flexible shafts to break or need repairs.

2. Longer Life . . . precision engineered to operate at a slower speed, last longer. You get rugged, year-after-year dependability.

3. More Accurate . . . positive *electric* drive assures highest accuracy at any speed—any temperature—for safer, more economical operation.

4. Easier to Read . . . large-size, illuminated face dial with full 270° pointer travel. A really *steady* pointer. Adjustable red markers remind driver to stay in the most efficient "economy range."

Easily installed in minutes . . . no extra batteries or relay controls needed. See your dealer, or write

STEWART SW WARNER

STEWART-WARNER

Instrument Division

Dept. DD-114, 1840 Diversey Parkway, Chicago 14, Illinois

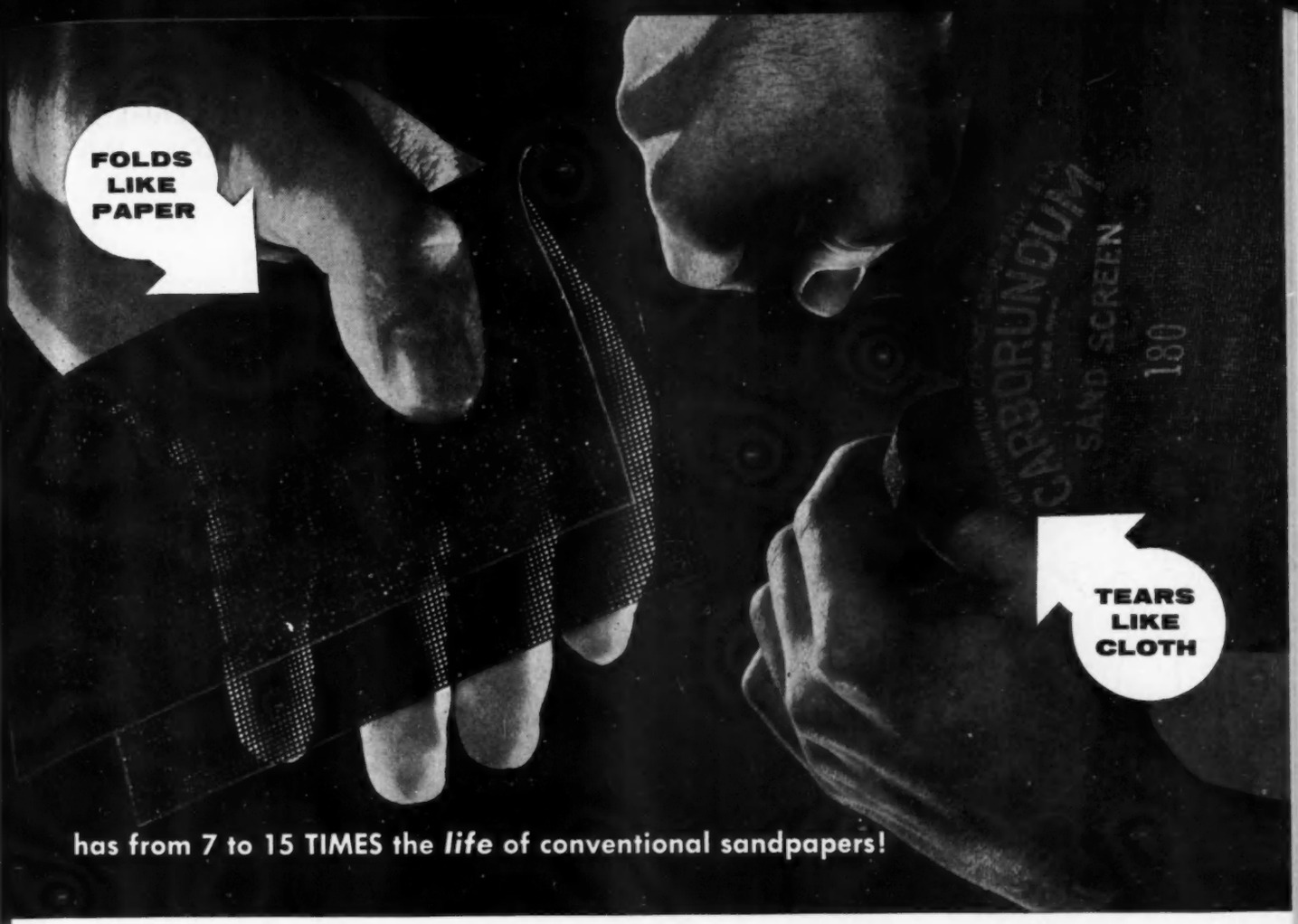
Rolack Inc., 1350 Kings Highway, Fairfield, Conn.
Rush Mfg. Co., E. S., 499 San Fernando Rd., Los Angeles 31, Calif.
Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio.
Sage Equipment Co., 30 Essex St., Buffalo 13, N. Y.
Saginaw Products Corp., 68 Williamson St., Saginaw, Mich.
Skarnes Engrg. & Supply, Inc., 2907 E. Franklin Ave., Minneapolis 6, Minn.
Standard Pressed Steel Co., Jenkintown, Pa. "Hallowell."
Thomas Truck & Caster Co., 1021 Mississippi River, Keokuk, Iowa. "Jak - Tung," "Thomas."
Towmotor Corp., 1226 E. 152 St., Cleveland 10, Ohio.
Walker Vehicle & Automatic Transportation Divs., Yale & Towne Mfg. Co., 101 W. 87th St., Chicago 20, Ill. (Motorized.)
Wellington Machine Co., 133 DeWolf St., Wellington, Ohio. (Hydraulic)
West Bend Equipment Corp., 216 S. Water St., West Bend, Wis. "Spring Bearing."
Western Gear Works, 2600 E. Imperial Highway, Lynwood, Calif.
Yale & Towne Mfg. Co., Philadelphia Div., Roosevelt Haldeman Ave., Philadelphia 15, Pa.

TRUCKS, Lift, Electrically Operated

Automatic Transportation Co., Divs. Yale & Towne Mfg. Co., 101 W. 87th St., Chicago 20, Ill.
Baker Industrial Truck Div. of Baker-Raulang Co., 1211 80th St., Celevalnd 2, Ohio. (Electric or gas-electric.)
Barrett-Cravens Co., 4613 S. Western Blvd., Chicago 9, Ill.
Big Joe Mfg. Co., 900 W. Jackson Blvd., Chicago 7, Ill.
Clark Equipment Co., Industrial Truck Div., Battle Creek 85, Mich. "Clark Elec-Carloader," "Clark Elec-Clipper," "Clark Elec-Truckloader," "Clark Elec - Utilitruc," "Clark Electro-Lift."
Crescent Truck Co., Div. of Barrett-Cravens Co., 1035 Willow St., Lebanon, Pa.
Easton Car & Construction Co., Liberty & Holly Sts., Easton, Pa.
Elwell-Parker Electric Co., 4215 St. Clair Ave., Cleveland 3, Ohio. (Also gas-electric.)
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio.
Lewis-Shepard Products, Inc., 125 Walnut St., Watertown, Mass.
Market Forge Co., 25 Garvey St., Everett, Mass. "Load-Mobile."
Mercury Mfg. Co., 4044 S. Halstead St., Chicago 9, Ill.
Moto-Truc Co., 1953 E. 59th St., Cleveland, Ohio.
Raymond Corp., 151 Madison St., Greene, N. Y.
Revolvator Co., U. S. Route 1 at 86th St., North Bergen, N. J. "Gogetter."
Wright-Hubbard Industrial Electric Truck Co., Pleasant St., Phelps, N. Y.
Yale & Towne Mfg. Co., 4530 Tacony St., Philadelphia 24, Pa.

TRUCKS, Lift, Gasoline Powered

American Tractor Corp., Churubusco, Ind.
Automatic Transportation Co., Divs. of Yale & Towne Mfg. Co., 101 W. 87st St., Chicago 20, Ill. "Dynamotive."
Baker Industrial Truck Div. of Baker-Raulang Co., 1211 W. 80th St., Cleveland 2, Ohio. (Also gas-electric.)
Baker-Lull Corp., 314 W. 90th St., Minneapolis 20, Mich.
Buda Co., Div. of Allis-Chalmers Mfg. Co., 154th St. & Commercial Ave., Harvey, Ill.
Clark Equipment Co., Industrial Truck Div., Battle Creek 85, Mich. "Clark Carloader," "Clark Clipper," "Clark Hydro-Lift," "Clark Truckloader," "Clark Utilitruc," "Clark Yardlift."
Elwell-Parker Electric Co., 4215 St. Clair Ave., Cleveland 3, Ohio. (Also gas-electric.)
Gerlinger Carrier Co., Lyle & Birch Sts., Dallas, Ore.
Howell Industrial Truck Co., 8899 Maywood Ave., Cleveland 2, Ohio. "Hitco."
Hyster Co., 2980 N. E. Clackamas St., Portland 8, Ore.
Kwik-Mix Co., 235 W. Grand Ave., Port Washington, Wis.
Lamson Mobilift Corp., 835 S. E. Main St., Portland 14, Ore.



has from 7 to 15 TIMES the *life* of conventional sandpapers!

SAND SCREEN is here!

TRADE MARK

...the revolutionary new abrasive cloth that lets the sanded material flow right through

Here's the new abrasive cloth that speeds sanding on undercoat, surfacer or old paint: SAND SCREEN by CARBORUNDUM . . . the open-mesh abrasive that lasts 7 to 15 times longer than conventional abrasives because the removed material flows right through, doesn't clog and glaze.

You use *both sides* of SAND SCREEN. Use it wet or dry...by hand or machine. It folds like paper, tears like cloth to any width you desire. For disc sanding, use CARBORUNDUM'S FASTCUT Pad 85 Assembly—wet—and you need no adhesive to hold the SAND SCREEN Disc on the pad when sanding flats or slight contours. Available in discs, full 9 x 11" sheets or cut sheets.

ORDER SAND SCREEN TODAY!

Call your CARBORUNDUM or Jobber Salesman for a demonstration of this new profit-maker. Or send coupon for folder and a sample.

THE CARBORUNDUM COMPANY
Dept. CC 90-433
Niagara Falls, New York

Send folder about your new SAND SCREEN—and a sample, to:

NAME _____ TITLE _____
COMPANY _____
STREET AND NUMBER _____
CITY _____ ZONE _____ STATE _____

CARBORUNDUM

REGISTERED TRADE MARK

90-433R

...continually putting MORE SENSE in your REFINISHING DOLLAR

TRUCKS, Lift, Gasoline—*continued*

Lewis-Shepard Products, Inc., 125 Walnut St., Watertown, Mass. (Gas Electric.)
Peterbilt Motors, Inc., 107th St. & MacArthur Blvd., Oakland 7, Calif.
Ross Carrier Co., Second & Miller Sts., Benton Harbor, Mich. (Also gas-electric straddle.)
Towmotor Corp., 1226 E. 152nd St., Cleveland 10, Ohio.
Transitier Truck Co., 2477 N. W. 23rd Ave., Portland 10, Ore.
Yale & Towne Mfg. Co., Philadelphia Div., Roosevelt Blvd. & Haldeman Ave., Philadelphia 15, Pa.

TRUCK LOADERS (ELEVATING TAILGATE), See Loaders, Truck (Elevating Tailgate)

TRUCKS, Rental (Nationwide)

Hertz Driv-Ur-Self System, 218 S. Wabash Ave., Chicago 4, Ill.
National Truck Leasing Systems, 23 E. Jackson Blvd., Chicago 4, Ill.

TRUCK TANKS, See Tanks, Trailer and Truck Body

De-rivets and clinches No. 10 rivets or smaller, with normal air supply

Replace worn brake linings of any size, from taxis to twenty-ton trucks, with this new low-cost riveting machine. Using only 100 p.s.i. from your air supply line, the Robinson Riveter delivers over two tons of pressure to drive out old rivets and clinch new ones (from No. 4 to No. 10, inclusive).

The new air cylinder construction will take long, hard use. It is actuated by a new foot operated metering-type treadle valve that is easy to use and gives absolute control over the action.

Semi-portable, this rugged riveter weighs only 60 lbs., and may be moved anywhere in the shop. Ready for immediate delivery at only $128.50, it comes ready to operate, with treadle valve, hoses, knock-out punch, crimping punch and anvil.

Write for further information now, giving us the name of your jobber.

$128.50
F. O. B. DETROIT

Robinson Products, Inc.
16550 WYOMING AVENUE • DETROIT 21, MICHIGAN
Look in on us at the Conrad Hilton, Dec. 5-10

TUBE FITTINGS

Aeroquip Corp., Jackson, Mich. (Self sealing couplings.)
Aircraft Fitting Co., 1400 E. 30th St., Cleveland 14, Ohio.
Imperial Brass Mfg. Co., 1209 W. Harrison St., Chicago 7, Ill.
Resistoflex Corp., Belleville 9, New Jersey.
Titeflex, Inc., 672 Frelinghuysen Ave., Newark 5, N. J.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

TUBES, Inner

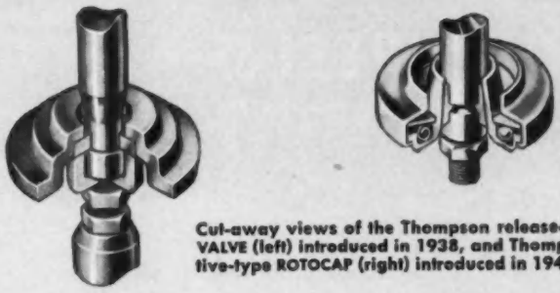
Armstrong-Norwalk Corp., Glover Ave., Norwalk, Conn.
Armstrong Rubber Co., 475 Elm St., West Haven 16, Conn.
Carlisle Tire & Rubber Div., Carlisle Corp., 621 College St., Carlisle, Pa.
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Corduroy Rubber Co., Fuller Ave. & G. T. Tracks, Grand Rapids 1, Mich.
Dayton Rubber Co., Box 1004, Dayton 1, Ohio. "Dayton," "Thorobred."
Denman Rubber Mfg. Co., Warren, Ohio.
Dismuke Tire & Rubber Co., P. O. Box 308, Clarksdale, Miss. "D & J."
Dunlop Tire & Rubber Corp., Sheridan Drive, Buffalo 7, N. Y.
Durkee-Atwood Co., 215 Seventh St., N. E. Minneapolis 13, Minn.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio. "Life Protector."
Fisk Tire Co., Div. U. S. Rubber Co., 1230 Ave. of the Americas, New York 20, N. Y.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio.
Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Inland Rubber Corp., 431 S. Dearborn St., Chicago 5, Ill.
Kelly-Springfield Tire Co., Cumberland, Md.
Laher Tire & Rubber Co. of Calif., 26th & Magnolia Sts., Oakland, Calif. "Mustang."
Lee Rubber & Tire Corp., Conshohocken, Pa.
Mansfield Tire & Rubber Co., 515 Newman St., Mansfield, Ohio. "Century," "Mansfield."
Mohawk Rubber Co., 1235 Second St., Akron 5, Ohio.
Pennsylvania Tire Co., P. O. Box 377, Mansfield, Ohio.
Polson Rubber Co., Garrettsville, Ohio.
Pure Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
Robbins Tire & Rubber Co., Tuscumbia, Ala.
Schenuit Rubber Co., Frank G., Railroad and Union Aves., Baltimore 11, Md.
Seiberling Rubber Co., Akron 9, Ohio.
Socony Vacuum Oil Co., 26 Broadway, New York 4, N. Y. "Mobil."
United States Rubber Co., Rockefeller Center, 1230 Avenue of the Americas, New York 20, N. Y.
Waber Co., 1076 W. 76th St., Chicago 20, Ill.

TUBING, Brass and Copper

American Brass Co., 414 Meadow St., Waterbury 20, Conn. "Anaconda."
Attwood Brass Works, Inc., 303 Douglas St. N.W., Grand Rapids, Mich.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Chase Brass and Copper Co., 236 Grand St., Waterbury 91, Conn.
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Everflex." (Copper.)
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill. (Copper.)
Kensico Tube Co., Hubbell's Cross Rd., Mt. Kisco, N. Y. (Copper.)
Lewin-Mathes Co., 12th St. & Chouteau Ave., St. Louis, Mo. (Copper.)
Linderne Tube Co., 1500 E. 219th St., Cleveland 17, Ohio. (Copper.)
Mueller Brass Co., 1925 Lapeer Ave., Port Huron, Mich. "Streamline."
National Copper & Smelting Co., 1862 E. 123rd St., Cleveland 6, Ohio.
Penn Brass & Copper Co., Powell Ave., Erie, Pa. "Superior."
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y. (Copper.)

"This rotation idea is really getting around!"

The Thompson ROTOCAP is the only *positive* valve rotator on the market.



Cut-away views of the Thompson release-type ROTOVALVE (left) introduced in 1938, and Thompson's positive-type ROTOCAP (right) introduced in 1946.

SEE YOUR TP JOBBER FOR COMPLETE VALVE ROTATION SERVICE

VALVES that turn are tough to burn! Valves last longer today because Thompson Products pioneered *Valve Rotation*—chosen as original equipment by more than 50 automotive builders.

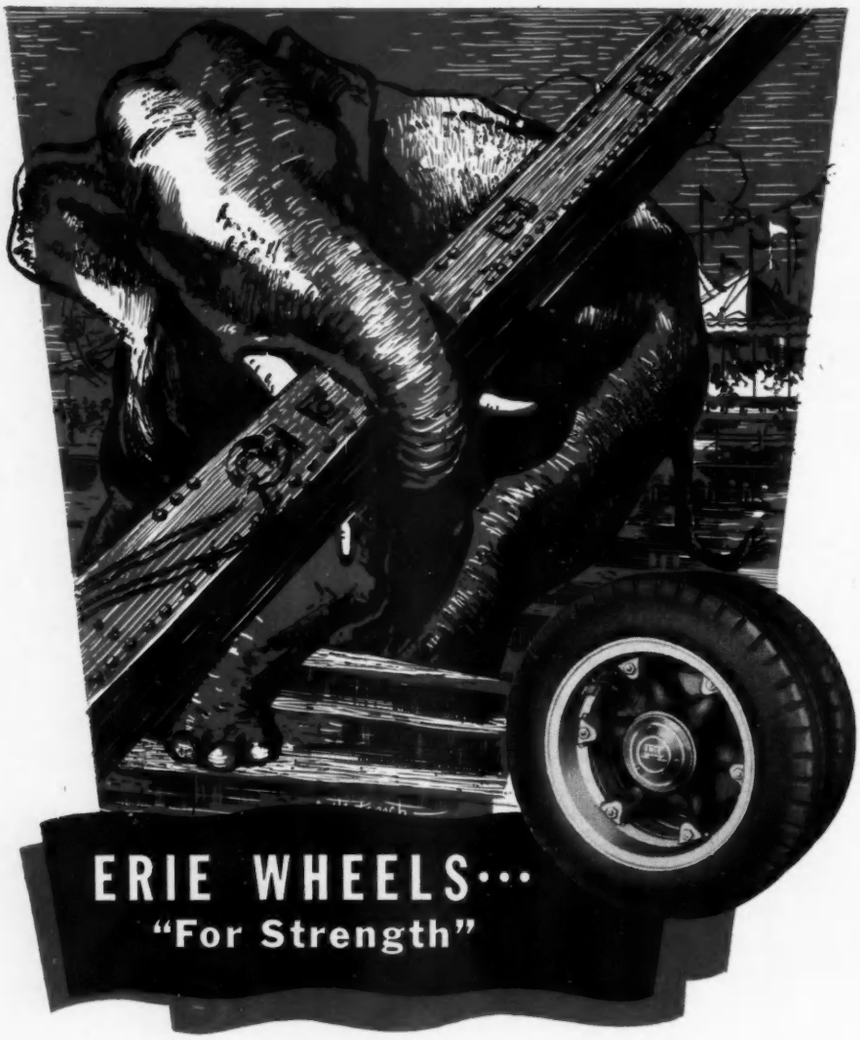
The Thompson ROTOCAP . . . the only valve rotator with a *positive* turning action . . . multiplies valve life 2 to 5 times. It turns the valve approximately 6° every time the valve opens and closes. This helps prevent valve sticking and burning and keeps the valve face and seat *clean* for most efficient sealing, maximum power and greatest fuel economy.

The Thompson ROTOVALVE . . . a release-type valve rotator, also widely used as original equipment . . . was another great Thompson "first".

Your Thompson Products Jobber also stocks Thompson ROTOCAP and ROTOVALVE rotators for modernizing the valve trains of many older cars, trucks and tractors. So make your Thompson Products Jobber your "*Valve Rotation Headquarters*" . . . for better parts—for happier customers—and for bigger profits for *you!*

See your Thompson Products Jobber

THOMPSON SERVICE SALES
2209 Ashland Road • Cleveland 3, Ohio



Erie Wheels . . . combine light weight with great strength. Tubular-Spoke design . . . preserves inherent balance . . . gives fan like action to spokes . . . to cool tires and brake drums . . . Erie Wheel design . . . offers strong, light wheels that permit extra payload . . . Demountable rims make tire changes easier. Erie Brake Drums . . . of alloy iron . . . provide high coefficient of friction . . . wear evenly . . . last longer . . .

Specify . . . Erie Wheels and Brake Drums

Erie Wheels

ERIE MALLEABLE IRON COMPANY

Automotive Wheel Division

ERIE • PA.

252

TUBING

TUBING, Brass & Copper—*continued*

Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Revere Copper and Brass Inc., 230 Park Ave., New York 17, N. Y.
Roll Formed Products Co., 3765 Oakwood Ave., Youngstown, Ohio.
Scovill Mfg. Co., 99 Mill St., Waterbury 20, Conn. (Brass.)
United Wire & Supply Corp., 1497 Elmwood Ave., Providence 7, R. I.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.
Wells & Co., A. H., 177 E. Aurora St., Waterbury, Conn.
Wolverine Tube Div. of Calumet & Hecla, Inc., 1850 Guardian Bldg., Detroit 26, Mich.

TUBING, Flexible Metallic

Almond Mfg. Co., T. R., 100 Maple Ave., Ashburnham, Mass.
American Brass Co., American Metal Hose Branch, 698 S. Main St., Waterbury 20, Conn.
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y.
Co-Operative Industries, Inc., 100 Oakdale Rd., Chester, N. J.
Eastern Tube & Tool Co., 594 Johnson Ave., Brooklyn, N. Y. "Ettco."
Ettco Ware & Cable Co., 75 Onderdonk Ave.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Rex-Flex," "Rex-Tube," "Rex-Weld," "Flexon," "Red Flex."
Forsyth Metal Goods Co., Elm St., East Aurora, N. Y.
Gabriel Co., 1523 E. 45th St., Cleveland 3, Ohio.
Mulconroy Co., 54th & Jefferson Sts., Philadelphia 31, Pa.
National Electric Products Corp, 2 Gateway Center, Pittsburgh 22, Pa. "Auto-Steel-flex."
Pennsylvania Flexible Metallic Tubing Co., 72nd St. & Powers Lane, Philadelphia 42, Pa. "Penflexweld."
Ryder Mfg. Co., 220 N. Ada St., Chicago 7, Ill. "Perma-Loc."
Titeflex, Inc., 500 Frelinghuysen Ave., Newark 5, N. J.
Universal Metal Hose Co., 2133 S. Kedzie Ave., Chicago 23, Ill. "Steelflex."

TUBING, Loom

Anchor Webbing Co., 1005 Main St., Pawtucket, R. I.
Asbestos Textile Co., 165 W. Wacker Drive, Chicago 1, Ill. (Asbestos.)
Berg Mfg. & Sales Co., 18 E. 18th St., Chicago 16, Ill.
Essex Wire Corp., 1601 Wall St., Fort Wayne, Ind. "SX."
Packard Electric Div., General Motors Corp., Warren, Ohio.
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15, Wis.

TUBING, Oil and Gasoline Line

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich. (Flexible.)
Aeroquip Corp., 300 S. East Ave., Jackson, Mich.
American Brass Co., American Metal Hose Branch, 698 S. Main St., Waterbury 20, Conn. (Flexible, with fittings.)
Anchor Coupling Co., 342 N. Fourth St., Libertyville, Ill. (Flexible.)
Andrews Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Atlantic Metal Hose Co., 107 W. 64th St., New York 23, N. Y. (Flexible.)
Avon Tube Div. of Higbie Mfg. Co., Charles St., Rochester, Mich.
Bundy Tubing Co., 8109 Jefferson Ave., Detroit 14, Mich. (Solid.)
Champ-Items, Inc., 6191 Maple Ave., St. Louis 14, Mo.
Coronet Parts Mfg. Co., 951 Sheperd Ave., Brooklyn 8, N. Y. (Flexible and solid.)
Dorman Products, Inc., 1004 Sycamore St., Cincinnati 2, Ohio.
Edelmann & Co., E., 2232 Logan Blvd., Chicago 47, Ill. (Flexible.)
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Everflex." (Flexible.)
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill. "Rex-Tube," "Rexweld," "Flexon." (Flexible.)

The only signal more popular than Signal-Stat

COPR., 1954, SIGNAL-STAT CORPORATION

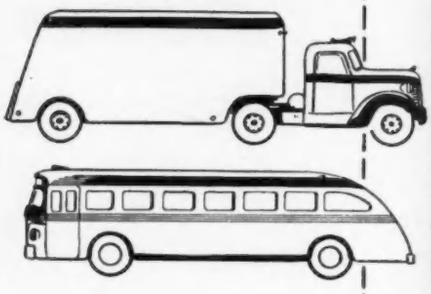
Signal-Stat

America's Most Popular Directional Signals

TUBING, Oil & Gasoline Line—cont'd

Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill. (Flexible.)
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Flex-Gas." (Flexible non-metallic, with fittings.)
National Copper & Smelting Co., 1862 E. 123rd St., Cleveland 6, Ohio.
National Ignition Mfg. Co., 521 W. 23rd St., New York, N. Y. (Flexible.)
Penn Brass & Copper Co., Powell Ave., Erie, Pa. "Quality." (Solid.)
Pennsylvania Flexible Metallic Tubing Co., 72nd St. & Powers Lane, Philadelphia 42, Pa.
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y. (Flexible.)
Planet Metal Products Corp., 964 Dean St., Brooklyn 38, N. Y.
Quaker Rubber Co., Tacony & Comly Sts., Philadelphia 24, Pa.
Resistoflex Corp., 39 Plansoen St., Belleville 9, N. J. (Flexible, with fittings.)
Steel and Tubes Div., Republic Steel Corp., 224 E. 131st St., Cleveland 8, Ohio.

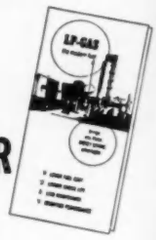
LP-GAS IS THE Modern Fuel FOR TRUCKS AND BUSSES



Lower fuel cost . . . longer engine life . . . less maintenance . . . smoother performance. These are just a few of the advantages that are yours when you switch to LP-Gas, the modern fuel.

Leading truck, bus and engine manufacturers today are offering LP-Gas carburetion as optional equipment because it is universally used and accepted. Truck and bus owners everywhere are converting to its use.

write for this FREE FOLDER now



and find out why

LP-Gas will help you overcome the majority of maintenance problems. It is a clean, dry burning fuel that does not dilute oil or cause wash-down of cylinder walls. No carbon can form in the engine.

The folder shown above will bring you complete information on this modern fuel. Free on request.

Established 1932

BUTANE ALGAS PROPANE
NATURAL GAS

Cable address "ALGAS"

AMERICAN LIQUID GAS CORPORATION
1109 Santa Fe Ave., Los Angeles 21, Calif.

Titeflex, Inc., 500 Frelinghuysen Ave., Newark 5, N. J. (All-metal flexible.)
United Wire & Supply Co., 1497 Elmwood Ave., Providence 7, R. I.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio. (Flexible non-metallic.)
Wolverine Tube Div. of Calumet & Hecla, Inc., 1850 Guardian Bldg., Detroit 26, Mich.

TUBING, Windshield Wiper

Acme Rubber Mfg. Co., E. State St., Trenton, N. J.
Bowling Green Rubber Co., 4143 Monroe St., Toledo 13, Ohio.
Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio. "Universal."
Continental Rubber Works, 1902 Liberty St., Erie, Pa. "Vitalic."
Crown Products Co., Ralston, Neb.
Dallas Mfg. & Sales Co., Box 7181 Dallas, Tex. "Guard-A."
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Goodrich Co., B. F., 500 S. Main St., Akron 18, Ohio.
Grey-Rock Div. of Raybestos-Manhattan, Inc., Manheim, Pa.
Kravex Mfg. Corp., 273 Van Sinderen Ave., Brooklyn 7, N. Y. "KM."
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Raybestos-Manhattan, Inc., Equip. Sales Div., 620 Fisher Bldg., Detroit 2, Mich. "R/M."
Raybestos Div. of Raybestos-Manhattan, Inc., 75 E. Main St., Stratford 2, Conn.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio.
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y.
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Warehouse Distributing Co., 3810 N. 19th St., Philadelphia 40, Pa. "Sure-Rite."

TUNE-UP EQUIPMENT, See Analyzers
TUNE-UP OIL, See Oils, Upper Cylinder

UNDERCOATINGS, Chassis and Body

Anderson-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla. "Apcoseal."
Battenfield Grease & Oil Corp., 3148 Roanoke Rd., Kansas City 8, Mo. (Underbody.)
Boruski, Jr., Ernest F., 162 W. 54th St., New York 19, N. Y.
Carey Mfg. Co., Philip, Lockland, Cincinnati, Ohio. (Underbody.)
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio.
Flexrock Co., Packing Div., 36th & Filbert Sts., Philadelphia 4, Pa.
Flintkote Co., 30 Rockefeller Plaza, New York 20, N. Y.
Gibson-Homans Co., 2366 Woodhill Rd., Cleveland, Ohio.
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
Hutson Div. of Gibson-Homans Co., Railroad & Institute Sts., Conyers, Ga. (Underbody.)
Insul-Mastic Corp. of America, 1144 Oliver Bldg., Pittsburgh 22, Pa. "Karkote." (Mastic.)
Keystone Asphalt Products Co., 101 E. Ontario St., Chicago 11, Ill. "Kapco."
Lion Oil Co., Lion Oil Bldg., El Dorado, Ark. "Nokorode."
Minnesota Mining & Mfg. Co., Adhesive & Coatings Div., 411 Piquette Ave., Detroit 2, Mich. "Underseal."
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub."
Mortell Co., J. W., 550 N. Hobbie Ave., Kankakee, Ill. "Insulmat." "Mortex."
Nox-Rust Chemical Co., 2429 S. Halsted St., Chicago 8, Ill. "Nox-Sound."
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa.
Pioneer Chemical & Mfg. Co., 1826 Columbus Rd., Cleveland 13, Ohio. (Underbody.)
Pioneer Latex & Chemical Co., Lincoln Blvd., Middlesex, N. J. "Placco."
St. Clair Rubber Co., 440 Jefferson Ave., E. Detroit 26, Mich. "Clair-Coat."
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Service Industries, 2103 E. Somerset St., Philadelphia 34, Pa. "Braemul."
Silvercote Products, Inc., 161 E. Erie St., Chicago 11, Ill.

BRINGS MORE WORKING LIGHT TO TRAILER AND CAB INTERIOR

"Big Dome" is really big—and brilliant, too! It's a full 6 inches in diameter with a new high intensity prismatic lens which throws light into every corner.

The body is rust-proofed, has a lustrous gray aluminum finish baked on at high temperature. Versatile toggle switch can be used separately or mounted in lamp as shown. Continuous circle door. Flush mounted. 21 c.p., 6 or 12 volt bulb. (Model No. 151)

Compare these features—compare "Big Dome's" beauty and efficiency—with any interior lamp you've ever seen. You'll see why Griffin is dominating the field in fleet safety lighting.

Griffin engineers shoot for advancement in every detail—in heavy duty wiring and construction which stand up longer, perform better, under the most severe service.

It will pay you to standardize with Griffin—the complete fleet line.

THE GRIFFIN LAMP CO.
Hamilton, Ohio • Brookhaven, Mississippi
WAREHOUSES: 736 E. Washington Blvd., Los Angeles, Calif.; 37 Leon St., Boston, Mass.; 440 Golden Gate Ave., San Francisco, Calif.; 308 Ninth Ave., North, Seattle, Washington

New PRESSURIZED ALUMINUM CLEARANCE-AND-MARKER

The all-time favorite in clearance-and-markers is now yours in pressurized aluminum casting. The same type lamp of cast iron weighed 1.4 lbs.—this weighs only .78 lb. It's strong as a bull, light as a feather—good for aluminum trailers. Model No. 112.

GRIFFIN
AUTOMOTIVE SAFETY LIGHTING

UNDERCOATINGS—*continued*

Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo. (Underbody.)
Vibradamp Corp., 4401 Page Ave. Rd., Jackson, Mich.
Warren Refining & Chemical Co., 750 Prospect Ave., Cleveland 15, Ohio. "Vibra-seal."
Witco Chemical Co., 75 E. Wacker Drive, Chicago 1, Ill. "Witcote."

UNDERCUTTERS, Mica

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Atlas Press Co., 1842 N. Pitcher St., Kalamazoo 13D, Mich.
Dixie Machine Tool Div., Avey Drilling Machine Co., P. O. Box 625, Cincinnat 1, Ohio.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill. (Portable electric.)
International Products & Mfg. Co., 1452 S. Michigan Ave., Chicago 5, Ill.
Lanagan & Hoke, Easton Rd., Warrington, Pa.
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Nasa Tool Mfg. Corp., New Vienna, Ohio.
Red Devil Tools, Coit St., Irvington 11, N. J.
Rite Tool, Inc., 31 N. Seventh St., Fall River, Mass.
Weidenhoff, Inc., Joseph, Algona, Iowa. (Sole distributors, Bowser, Inc., Fort Wayne 2, Ind.)
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trucut."

UNIFORMS, See Fabrics, Uniform

UNIVERSAL JOINTS

(See also Shafts, Propeller)

Accurate Products, 720 E. Washington St., Indianapolis 2, Ind.
Almetal Universal Joint Co., 1553 E. 55th St., Cleveland 3, Ohio.
Automotive Mfg. Co., 570 W. Fulton St., Chicago 6, Ill.
Bashian & Sons Co., Henry, 40391 Grand River Ave., Farmington, Mich. "Head Line."
Bendix Products Div., Bendix Aviation Corp., 401 Bendix Drive, South Bend 20, Ind. "Bendix-Weiss."
Blood Brothers Machine Co., Div. Rockwell Spring & Axle Co., Allegan, Mich.
Borg-Warner Service Parts Co., 310 S. Michigan Ave., Chicago 4, Ill. "Borg-Warner."
Cleveland Steel Products Corp., 7306 Madison Ave., Cleveland 2, Ohio.
Gear Grinding Machine Co., 3901 Christopher Ave., Detroit 11, Mich. "Rzeppa."
Gray & Prior Machine Co., 614 Windsor St., Hartford, Conn. "Universal." (For power take-off application.)
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Sole distributors, Lempco Automotive, Inc., 2953 E. 55th St., Cleveland 27, Ohio.)
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
M. D. Parts Mfg. 4395 E. Olympic Blvd., Los Angeles, Calif.
Mechanics Universal Joint Div., Borg-Warner Corp., 2030 Harrison Ave., Rockford, Ill.
Merit Products Co., 3541 E. Olympic Blvd., Los Angeles 23, Calif.
Morse Chain Co., 7601 Central Ave., Detroit 10, Mich. "Morflex."
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot."
Neapco Products, Inc., South & Cross Sts., Pottstown, Pa.
New Process Gear Co., 500 Plum St., Syracuse, N. Y. "Tracta."
Parts Mfg. Co., 311 W. 66th St., N. Y. 23, N. Y. "Parco."
Precision Universal Joint Corp., 615 S. California Ave., Chicago 12, Ill.
Regal Motor Products, Inc., 6325 Grand River Ave., Detroit 8, Mich.
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Root Co., B. M., Prospect & Sherman Sts., York, Pa.
Rowland, Inc., William & Harvey, 1414 Fairmount Ave., Philadelphia 30, Pa.
Saginaw Steering Gear Div., General Motors Corp., Clinton & Hamilton Sts., Saginaw, Mich.
Spicer Mfg. Div. of Dana Corp., 4100 Bennett Rd., Toledo 1, Ohio. "Spicer."
Standard Steel Spring Co., Coraopolis, Pa.
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Stow Mfg. Co., 445 State St., Binghamton, N. Y.
Torque Mfg. Co., 5239 Tillman Ave., Detroit 8, Mich. "Teddy Torque."
Universal Products Co., 6455 Kingsley Ave., Dearborn, Mich. "Detroit."
Western Automotive Co., 121 E. 21st St., Chicago 16, Ill.
Williams Engineering Corp., 224 Park Ave., Baltimore, Md.
Wohlert Corp., 700 E. Grand River Ave., Lansing 6, Mich.

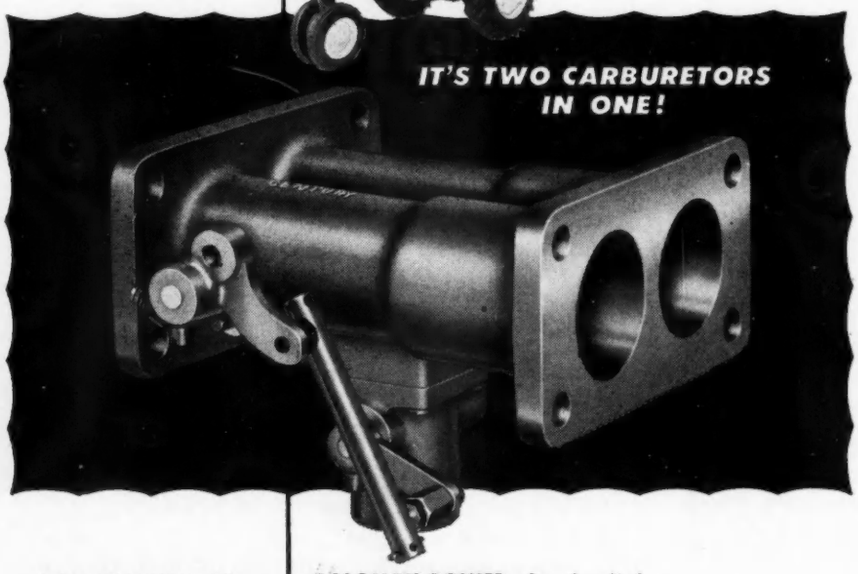
UPPER CYLINDER LUBRICANTS, See Oil, Upper Cylinder
VALVE CLEANING TOOLS, See Tools, Valve Guide Cleaning
VALVE GRINDING COMPOUND, See Compounds, Valve Grinding
VALVE GRINDING HAND, See Tools, Valve Grinding and Lapping
VALVE GUIDES, See Guides, Valve
VALVE GUIDE INSTALLING AND REMOVING TOOLS, See Tools, Valve Guide Installing and Removing
VALVE LIFTERS, See Tools, Valve Lifting and Spring Compressing
VALVE REFACERS, See Refacers, Valve

Completely new METERING VALVE TYPE

CENTURY

DUAL CARBURETOR

BUILT ESPECIALLY FOR JOHN DEERE TRACTORS



NOT AFFECTED BY...
...temperature changes
...high or low altitudes
...changing gas pressures

BALANCES POWER of each cylinder.
GIVES BETTER fuel economy.
PERFORMS AT ALL speeds to pre-set perfection.
IDLES PERFECTLY.
GIVES INSTANT power—no choking or fluttering.
STARTS INSTANTLY upon installation.
NO MULTIPLE ADJUSTMENTS—tune up only.

Write for complete information today!

CENTURY GAS EQUIPMENT CO., 11188 Long Beach Boulevard, Lynwood, California

CENTURY ★ SET IT! ★ SEAL IT! ★ FORGET IT!
LP-GAS CARBURETION

FLEET OWNERS:

For Fleets Only

PUROLATOR PUR-PAK elements

in low-cost fleet package

Now you can get dependable, low-cost filtration with Purolator Pur-Pak elements. Purolator Pur-Pak elements are specially packed and sold to fleet operators at the lowest possible cost.

Pur-Pak elements are constructed of the finest, lint-free cotton fibre, selected to give maximum service in oil filter applications. The dirt retention abilities of this filter are unsurpassed for its type.

Purolator has the complete line of fleet filters. Pur-Pak for economy; Micronic* where only the best will do! And every Purolator* is backed by the world's largest filter research and production facilities. When you buy Purolator you're sure of getting the very latest in filter development.

Ask your local Purolator Supplier about Pur-Pak. See for yourself how you can get dependable filtration at a budget price.

*Trade mark reg. U. S. Pat. Off.

PurOlator *World's finest* **OIL FILTER**

PUROLATOR PRODUCTS, INC., Rahway, New Jersey and Toronto, Ontario, Canada
Factory Branch Offices: Chicago, Detroit, Los Angeles

VALVE SEAT GRINDERS, See Grinders, Valve Seat

VALVE SEAT INSERT, See Seats, Valve

VALVE SEAT INSTALLING, See Tools, Valve Seat Installing

VALVE SPRING TESTERS, See Testers, Valve and Clutch Spring

VALVES, Air Tank Drain

Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.

George Mfg. Co., 10 Harvey St., Philadelphia 44, Pa.

Master Equipment Corp., 15 N. Broadway, Dayton, Ohio (Automatic.)

Monroe-Standard, Inc., Wyandot Bldg., Galion, Ohio. "Pelton."

National Pneumatic Co., 125 Amory St., Boston 19, Mass.

Quincy Compressor Co., 217 Maine St., Quincy, Ill.

Westinghouse Air Brake Co., 1943 Herman Ave., Industrial Products Div., Wilmerding, Pa.

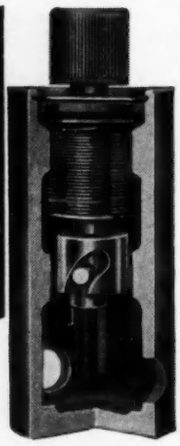
Wilkerson Corp., 1601 W. Girard Ave., Englewood, Colo.

REDUCE DOWNTIME
for valve adjustment.

INCREASE VALVE LIFE
by continuous automatic adjustment.

INCREASE EFFICIENCY
More power—less fuel.

Best Engine Performance *With* S-M TAPPETS*



S-M Automatic, Self-Adjusting, Mechanical Tappets Provide

Perfect valve timing, as the valves always close at exactly the right point on the cam. This quiets the valves so you can hardly hear them close and increases engine efficiency.

It gives you faster acceleration for passing other cars; and more miles per gallon.

These tappets do everything that hydraulic tappets do and do it better.

OVER 100,000 S-M TAPPETS NOW IN USE

Available for a wide range of cars and the following truck models:

Brockway
Mack
GMC
Chevrolet
International
and Ford

S-M TAPPET SALES CCJ
DUNEDIN, FLORIDA

Make of My Car _____
☐ Please send me more information.
Name _____
Address _____
City _____ Zone ____ State ____

S-M TAPPET SALES
DUNEDIN, FLORIDA, U. S. A.

VALVES, Electromagnetic
(For fuel shutoff, oil shutoff and hydraulic control)
(Advertisers only)

General Controls Co., 801 Allen Ave., Glendale 1, Calif. "Hi-g."

VALVES, Engine Poppet

Aluminum Industries, Inc., 2438 Beekman St., Cincinnati 25, Ohio. "Permite."
Andrews Parts Mfg. Co., 32-70 31st St., Long Island City 6, N. Y.
Eaton Mfg. Co., Valve Div., 9771 French Rd., Detroit, Mich.
Elgin Machine Works, 412 N. State St., Elgin, Ill.
Ertel Products Corp., Div. Ertel Mfg. Corp., 1400 E. 20th St., Indianapolis, Ind.
King Quality Products Div. of McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis 10, Mo.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Parts Processing Corp., 1499 E. Michigan Ave., Battle Creek, Mich. "Par-Plus." (For trucks and buses.)
Perfect Parts, Inc., 43 W. 23rd St., New York 10, N. Y.
Remco Products Corp., State & Hay Sts., York, Pa.
Sealed Power Corp., 500 Sanford St., Muskegon, Mich.
Thompson Products, Inc., 23555 Euclid Ave., Cleveland 17, Ohio.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wolverine Gear & Parts Co., Osseo, Mich.

VALVES, Gasoline Tank

Betts Machine Co., 1800 Pennsylvania Ave., W., Warren, Pa. "Warren."
Buckeye Iron & Brass Works, 324 E. Third St., Dayton 1, Ohio.
General Controls, 801 Allen St., Glendale, Calif.
Imperial Brass Mfg. Co., 1234 W. Harrison St., Chicago 7, Ill.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.

VALVES, Safety or Emergency
(For safeguarding contents of tanks)

Betts Machine Co., 1800 Pennsylvania Ave., W., Warren, Pa. "Warren."
McDonald Mfg. Co., A. Y., 12th & Pine Sts., Dubuque, Iowa.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Philadelphia Valve Co., Aramingo Ave. & Ontario St., Philadelphia 34, Pa.
Shand & Jurs Co., 8th & Carlton Sts., Berkeley 10, Calif. "S & J." (Truck Tank.)

VALVES, SHUTOFF, See Valves, Electromagnetic

VALVE TAPPETS, See Tappets, Valve

VALVES, Two-Way, Three-Way and Four-Way, Air

Anderson Brass Co., 5303 12th St., Detroit 8, Mich.
Betts Machine Co., 1800 Pennsylvania Ave. W., Warren, Pa.
Branick Mfg. Co., Fargo, N. D.
Hannifin Corp., 1101 S. Kilbourn Ave., Chicago 24, Ill.
Hunt & Son, C. B., 1913 E. Pershing St., Salem, Ohio. "Quick as Wink."
Ross Operating Valve Co., 120 E. Golden Gate Ave., Detroit 3, Mich.
Skinner Electric Valve Div. Skinner Chuck Co., Edgewood Ave., New Britain, Conn. (Cut off for L.P. gas fuel systems.)

VALVES, Tire
(See also Caps, Tire Valve)

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y.
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind. (Cores only.)
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.

"WE GOT EVEN MORE THAN WE HOPED FOR WITH PHILGAS"...

R. H. MOODY
Maintenance Superintendent
DuQuoin Coca-Cola Company
DuQuoin, Illinois

Mr. Moody put it this way: "We were having trouble with our fuel pumps. Fuel contamination. So we were sold on Philgas because, as you know, there's *no* contamination.

"But we got even *more* than we hoped for with Philgas. Eliminating fuel pump trouble was just the start of our savings. We lowered the cost per gallon of fuel—and still got just as good mileage. We lowered cylinder wear—got longer periods between oil changes—longer life out of our spark plugs. In fact, we lowered fuel and maintenance costs all the way around."

DuQuoin Coca-Cola Bottling Company started using Philgas* in 1950. They operate 25 trucks—Fords, International and Whites—for start-and-stop deliveries as well as over-the-road travel. And what Philgas has done for them, it can do for you.

Philgas is being used successfully in trucks, buses, taxicabs, construction equipment — wherever internal combustion power is needed. It will cost you nothing to find out how Philgas can save you money in *your* fleet operation. Write for full information.

CHECK THESE PHILGAS ADVANTAGES

- ✓ **Burns completely with no oil dilution—less contamination.**
- ✓ **Low fuel cost—lowers operating costs.**
- ✓ **No cylinder wall washing—lower cylinder wear.**
- ✓ **Longer ring and valve life.**
- ✓ **Cuts maintenance—thousands of miles more before overhaul.**
- ✓ **Quieter, no knocking—no smelly fumes or exhaust smoke.**

Phillips 66 Philgas
THE ALL-PURPOSE FUEL

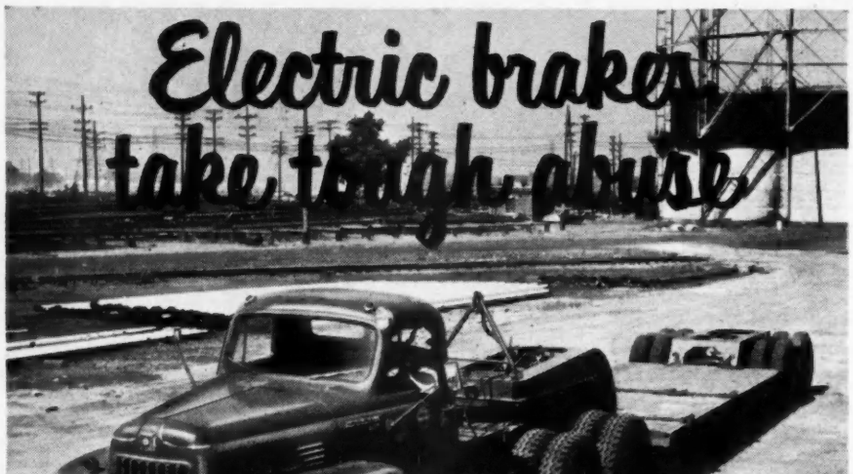
*Philgas is the Phillips Petroleum Company trademark for its high quality LP-Gas or bottled gas (propane, butane).

PHILLIPS PETROLEUM COMPANY

SALES DEPARTMENT, *Bartlesville, Oklahoma*

Offices in:

AMARILLO, TEX.—*First Nat'l Bank Bldg.*
ATLANTA, GA.—*11th Street Bldg.*
CHICAGO, ILL.—*7 South Dearborn St.*
DENVER, COLO.—*1375 Kearney Ave.*
DES MOINES, IOWA—*606 Hubbell Bldg.*
INDIANAPOLIS, IND.—*1112 N. Pennsylvania St.*
KANSAS CITY, MO.—*500 West 39th St.*
MINNEAPOLIS, MINN.—*212 Sixth St. South*
NEW YORK, N. Y.—*80 Broadway*
OMAHA, NEB.—*WOW Building*
RALEIGH, N. C.—*804 St. Mary's Ave.*
ST. LOUIS, MO.—*4251 Lindell Blvd.*
TAMPA, FLA.—*1214 South Dale Mabry*
TULSA, OKLA.—*1708 Utica Square*
WICHITA, KAN.—*501 KFH Building*



for heavy off-the-road or on-the-highway hauling!

You'll experience a new high in braking performance when you equip your trailers with *electric* brakes. Through muck, snow, sand . . . over murderous terrain . . . or high-balling over a smooth highway . . . you can depend upon electric brakes to stop your load quickly, surely, safely. Weather has no effect on their operation . . . they need no winterizing. With just one cable running to each wheel, the chassis is "clean as a whistle," with nothing exposed to get knocked off or leak. There's no time lag. Braking power is applied instantly . . . with the *speed of electricity*. You get immediate response, in the exact degree of power desired, regardless of length of trailer. And all brakes are synchronized to minimize skidding and jackknifing. For the complete story on today's best braking method, see your nearby Warner Distributor, or write us.

WARNER ELECTRIC BRAKES

"your greatest insurance policy for highway safety!"

WARNER ELECTRIC BRAKE & CLUTCH COMPANY • BELOIT, WISCONSIN

VALVES TO VISES

VALVES, Tire—*continued*

Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Planet Corp., 964 Dean St., Brooklyn 38, N. Y.
Rite-Way Products Co., 39 W. E. H. Crump Blvd., Memphis 2, Tenn.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Speaker Corp., J. W., 3059 N. Weil St., Milwaukee 12, Wis.

VEHICLE SIGNS

(See also Decalcomanias)

Ward's Trucksign Transfers, 8504 Lyndon Ave., Detroit 38, Mich.

VENTILATORS, Bus and Truck

Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa. "Keystone." (Bus.)
Evans Products Co., Plymouth, Mich. "Evans." (Bus and truck cab.)
Service Products Corp., 201 S. Rural St., Indianapolis 1, Ind. (Bus.)

VENTILATORS, Crankcase

AC Spark Plug Div., General Motors Corp., 1300 N. Dort Highway, Flint 2, Mich.
Donaldson Co., 666 Pelham Blvd., St. Paul 4, Minn.
Fram Corp., Providence 16, R. I.
Monarch Tool & Machinery Co., 3235 S. Racine Ave., Chicago 8, Ill.
Oildex, Inc., 141 N. Elizabeth St., Wichita 12, Kan.
Ryder Mfg. Co., 220 N. Ada St., Chicago 7, Ill.

VENTILATOR, Exhaust Manifold

Flint Corp., 1323 N. Water St., Milwaukee 2, Wis.

VENTILATORS, Roof

Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio. "Aerovent." (Bus.)
Evans Products Co., Plymouth, Mich. (Power driven for trucks.)
H & P Die & Stamping Co., 13945 Trishett Rd., Cleveland 11, Ohio.
Imperial Electrical Co., N. Plum St., Union City, Ind. (Cab.)
Metalcraft Mfg Co., 916 E. 23rd St., Indianapolis, Ind.

VENTS, Tank Body

Buckeye Iron & Brass Works, 324 E. Third St., Dayton 1, Ohio.
McDonald Mfg. Co., A. Y., 12th & Pine Sts., Dubuque, Iowa.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Philadelphia Valve Co., Aramingo Ave. & Ontario St., Philadelphia 34, Pa.
Protectoseal Co., 1920 S. Western Ave., Chicago 8, Ill.

VISCOSIMETERS

Precision Scientific Co., 3737 W. Cortland St., Chicago 47, Ill. "Saybolt."
Visco-Meter Corp., 315 Grote St., Buffalo 7, N. Y. (Auto oil.)

VISES, Piston

Evans Reamer & Machine Co., New Lexington, Ohio.
Groove-Rite Tool Co., 1214 Terry Ave., Detroit 27, Mich.
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Production Devices, Inc., N. Williams St., Whitehall, N. Y. "Airlox." (Pneumatic and hydraulic.)
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill.

VISES, Piston Pin

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.

(Advertisement)

"Engine Cooling System Problems Can Be Prevented" says,

Joe Vittel

Manager—Perry Filter Division
R. M. Hollingshead Corporation

Generally, we overlook the very important fact that a clean cooling system is not an end in itself but rather the means to an end: a guarantee of longer engine life . . . fewer engine breakdowns . . . less maintenance costs.

In the past, most of our attention has been directed to the curing of an already developed "headache" (acute cooling system distress). We remove the trouble and then believe everything is well with the system.

Actually, we are ignoring the fact that the trouble should have been—*could have been*—avoided completely, simply by maintaining a constantly clean cooling system.

To accomplish this, we must realize cooling system trouble is of two kinds: 1.—that caused by water scale, rust, oil and other foreign matters; and 2.—that caused by corrosion—actual chemical and electrochemical destruction of metals. Both cause clogged systems and insulating deposits in critical heat transfer areas ("Heat-wear zones"), and are responsible, in a large degree, for premature overhauls due to worn pistons, rings and liners and distorted valves, seats and stems.

The answer in one small unit, to both kinds of cooling system trouble, is the Perry Cooling System Filter and Conditioner. It gives complete, two-way protection . . . is easily installed . . . and requires a minimum of service—the simple, inexpensive replacement of a chemically activated element.

It has won the enthusiastic approval of most leading engine manufacturers.

We guarantee this: Correctly installed on any new engine, and properly serviced, the Perry Filter and Conditioner will keep the cooling system clean and eliminate a major cause of costly breakdowns —on old engines the Filter will gradually clean the system and reduce the cost of upkeep.

Write me at the Perry Filter Division for the full story on the Perry Filter, and the names of local Perry users, or see your local Perry representative.

Great Southern Trucking says:

"Block cracking eliminated . . . longer life between overhauls with Perry Cooling System Filters"

Today, all of Great Southern's fleet (upward of 500 power units) is Perry Filter protected. Here's why this top flight trucking concern took this special step.

A large portion of Great Southern's power is in lightweight tractors to meet local state weight restrictions. Running this light equipment on rigidly tight schedules produced a high incidence of cracked blocks. Maintenance investigations showed the fundamental trouble was engine overheating . . . cooling systems were not functioning properly despite frequent periodic check-ups.

To combat a growing number of cracked blocks, D. D. Hodges, System Maintenance Superintendent, authorized purchase of Perry Cooling System Filters for his lightweight power.

Block cracking was eliminated! The Perry Filter kept the engine cooling system permanently clean. There was no more overheating—no more cracked blocks. The amount of repair was substantially cut. These savings justified the use of Perry Filters on the rest of the Great Southern fleet. All new power, including a recent purchase of ten West Coast Internationals, is now equipped with Perry Filters before going on the road.

This is a strong testimonial from one of America's largest and most efficiently run trucking concerns. For the same economies in maintenance and service, investigate Perry Cooling System Filters for your gasoline and diesel powered engines. A *permanently* clean cooling system saves time, money and trouble.

PERRY FILTER DIVISION
R. M. Hollingshead Corporation • 840 Cooper Street, Camden 2, New Jersey

ELECTRO-CHEMICAL
Perry
COOLING SYSTEM
filter
and CONDITIONER

Mail this coupon for full information.

Perry Filter Div., R. M. Hollingshead Corporation
841 Cooper St., Camden 2, New Jersey

Please send complete information on the Perry Cooling System Filter.

Name_____

Firm_____ Position_____

Address_____

City_____ Zone____ State_____

VISES, Piston Pin—*continued*

Evans Reamer & Machine Co., New Lexington, Ohio.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Sunnen Products, Co., 7910 Manchester Ave., St. Louis 17, Mo.
Toledo Steel Products Co., 3300 Summit St., Toledo 11, Ohio.

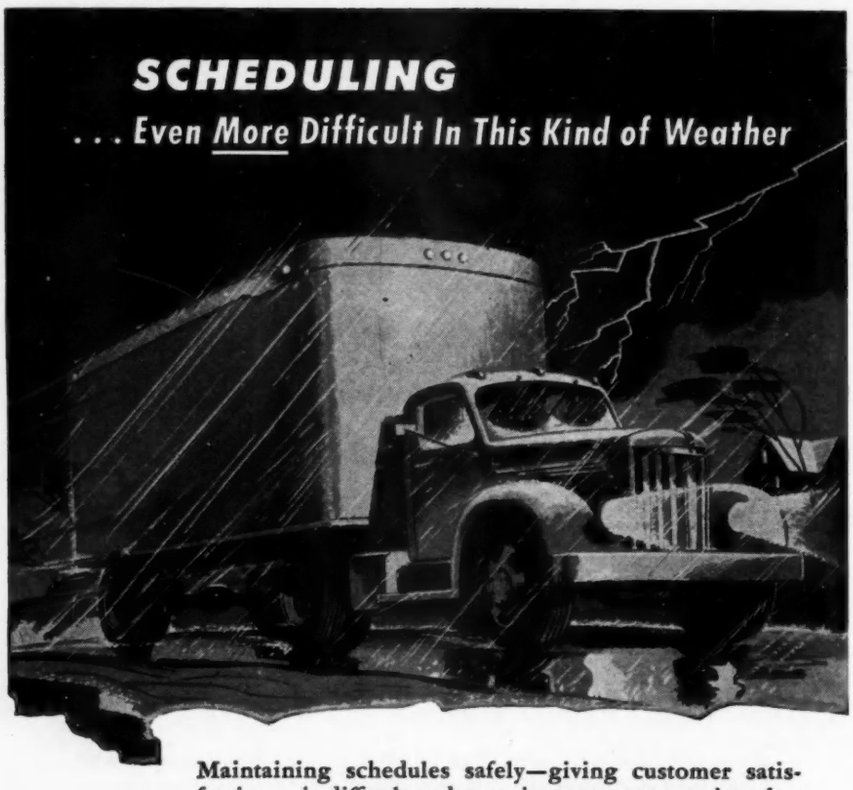
VOLTAGE REGULATORS, See Regulators, Current and Voltage

VULCANIZERS, Portable

Acme Air Appliance Co., 100 Hinsdale St., Brooklyn 7, N. Y. (Electric, tube.)
Bishman Mfg. Co., Osseo, Minn. (Tube.)
Bowes "Seal Fast" Corp., 228 N. Pine St., Indianapolis 7, Ind. "Bowes Lectroseal." (Electric tire.)
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio. "Dillectric." (Electric, tube.)
Lewis Equipment & Supply Co., 2740 Zuni St., Denver 11, Colo. "Tru-Cure." (Electric tube.)
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y.
Speaker Corp., J. W., 3059 W. Weil St., Milwaukee 12, Wis. "Electromatic," "Match Patch," "Speaker." (Electric, tire and tube.)

VULCANIZERS, Shop

Allied Automotive Corp., 14512 Burt Rd., Detroit 23, Mich. "Tireweld."
Bacon Vulcanizer Mfg. Co., 1295 67th St., Oakland 8, Cal. (Steam and electric tube.)
Balloon Tire Mould Co., 527 Ceres Ave., Los Angeles 13, Cal. "Brown." (Electric and steam tube.)
Biggs Boiler Works Co., 1007 Bank St., Akron, Ohio. (Steam tube.)
Center Line Mfg. Co., 2418 McCormick St., Wichita, Kans. (Tube.)
Heintz & Co., James C., 3738 W. 143rd St., Cleveland, Ohio. (Tube.)
Shaler Co., Waupum, Wis. (Tire.)



Maintaining schedules safely—giving customer satisfaction— is difficult and most important at any time, but is even more difficult when it is raining or sleeting.

Let Servis Recorders help you maintain schedules by cutting to a minimum preventable delays. Excess speeding is held down, for the driver knows he can't "cover up" the delays that show on the recorder's chart.

DELAYS

Costly delays due to unscheduled stops cause customer dissatisfaction, loss of control of your equipment, and speeding to make up time. And speeding is a major cause of accidents. Thousands of Servis Recorders are used today to help solve these problems — Write today for our booklet "Ten Ways of Getting More Work Out of Motor Trucks".

THE SERVICE RECORDER CO.
1375F Euclid Ave. Cleveland 15, Ohio

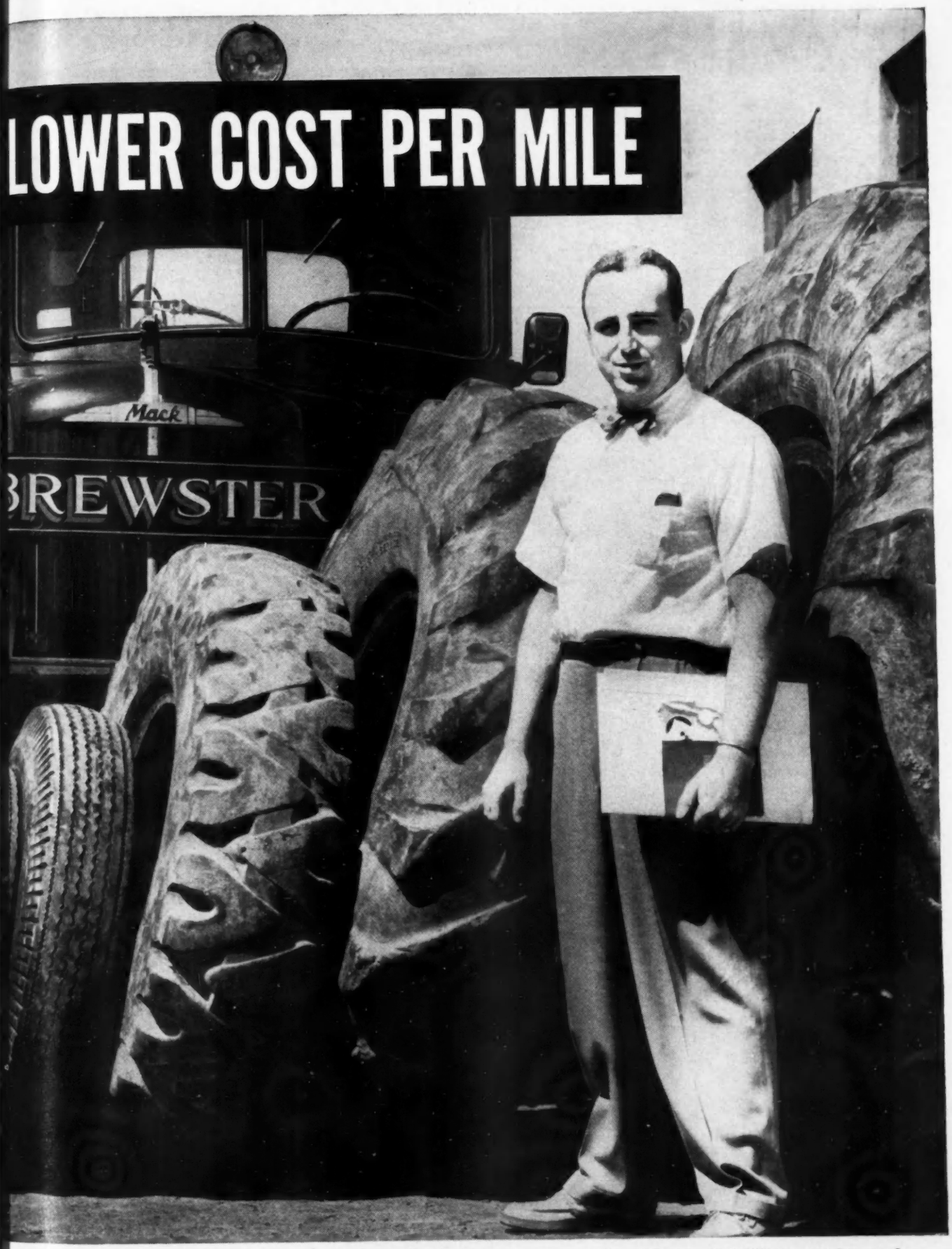
The Servis Recorder
Helps Prevent Speeding and Accidents

WASHERS (Fountain Brushes and Mops)

Flour City Brush Co., 301 Fifth Ave., S., Minneapolis 15, Minn. "Autowash," "Buswash," "Fleetwash." (Brushes.)
Fuller Brush Co., Industrial Div., 3651 Main St., Hartford 2, Conn. (Brushes.)
Henry Mfg. Co., 421 5th Ave., S. Minneapolis, Minn. "Henico." (Brushes.)
Kansas City Fountain Brush Mfg. Co., 3718 Main St., Kansas City, Mo. "K. C." & "Little Wonder." (Brushes.)
Laitner Brush Co., 2000 Brooklyn Ave., Detroit 26, Mich. "Laco." (Brushes.)
Master Specialty Co., 3016 E. Lake St., Minneapolis 6, Minn. "Wash-Master." (Revolving brushes and injector for liquid detergent; "Saft-T-Wash" brushes.)
Melaire Dist. Co., 420 Lexington Ave., N. Y. 17, N. Y. "Swirl-O-Matic." (Revolving brushes.)
Milwaukee Dustless Brush Co., 530 N. 22nd St., Milwaukee 3, Wis. "Speed-Wash."
Molded Specialties, Inc., 1333 E. 170th St., Cleveland, Ohio. (Wash pads.)
Osrow Products Co., 123-07 101 Ave., Richmond Hill, N. Y. "Quick-Suds," "Quik-Clean," "Quickee," "Rainbow." (Brushes.)
Ransom Brush Co., 1051 W. Division St., Chicago 22, Ill.
Rapids Equipment Co., B. Ave. & Sixth St., N. W., Cedar Rapids, Iowa. (Brushes; sole distributors, Rapids Products Co., 220 Sixth St., N. W., Cedar Rapids, Iowa.)
Tucker Mfg. Co., 305 First St., S. W., Cedar Rapids, Iowa. (Brushes.)
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

WASHERS, Metal Parts

Aeroil Products Co., Wesley St., South Hackensack, N. J. "Aeroil Heet-Master," "Aeroil Dipmaster."
Alvey-Ferguson Co., 75 Disney St., Oakley, Cincinnati 9, Ohio. "A-F."
Barrett Co., Leon J., 1477 Grafton St., Worcester, Mass. "Typhoon." (Centrifugal.)
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo.
Blakeslee & Co., G. S., 1900 S. 52nd St., Cicero, Ill. "Niagara," "Blakeslee," "De-Greas-O."
Cincinnati Cleaning & Finishing Machinery Co., 317 Hecla St., Ironton, Ohio.
Clayborne Mfg. Co., 429 N. Man St., Monticello, Ind.
Colt's Mfg. Co., 17 Van Dyke Ave., Hartford, Conn. "Autosan."
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill.
Detrex Corp., Box 501, Detroit 32, Mich.
Detroit Sheet Metal Works, 1308 Oakman Blvd., Detroit, Mich.
Drying Systems, Inc., 1810½ Foster Ave., Chicago 40, Ill. "Dry-Sys."
Eclipse Fuel Engineering Co., 1111 Buchanan St., Rockford, Ill. "McKee."
Fischer Industries, nc., Paddock Rd. & N. & W. R. R., Cincinnati 29, Ohio.
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Gray-Mills Corp., 3705 N. Lincoln Ave., Chicago 13, Ill.
Hanson-Van Winkle-Munning Co., Matawan, N. J.
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
J. P. Mfg. Co., 330 E. Front St., Youngstown 3, Ohio.
Kelite Products, Inc., Box 2917 Terminal Annex, Los Angeles 54, Calif.
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Magnus Aja-Dip," "Magnus Miji-Dip."



"ON ALL TYPES OF EQUIPMENT, our experience proves nylon cords cut tire costs from 25% (on-the-road equipment) to 30% (off-the-road equipment)," says Henry D. MacArty of Geo. M. Brewster & Son, Inc., General Contractors of Bogota, N. J. "We're switching exclusively to nylon cords on more than 110 pieces of equipment."

WASHERS, Metal Parts—*continued*

Mahon Co., R. C., 6565 E. 8-Mile Rd., Detroit 34, Mich. (Combined belt conveyorized washer and dryer.)

Newcomb-Detroit Co., 5741 Russell St., Detroit 11, Mich. "Uni-Wash."

Peters-Dalton, Inc., 17924 Ryan Road, Detroit 12, Mich. (Combined belt conveyorized washer and dryer.)

Phillips Mfg. Co., 3475 Toughy Ave., Chicago 45, Ill. "Phillips Torrent."

Practical Products Co., 2632 Nicollet Ave., Minneapolis 8, Minn. "Kleer-Flo."

Protectoseal Co., 1920 W. Western Ave., Chicago 8, Ill. "Air-Matic."

Ransohoff, Inc., N., 16 E. 72nd St., Carthage, Cincinnati 16, Ohio.

Schmieg Industries, Inc., 308 Piquette St., Detroit 2, Mich.

Topper Equipment Co., 120 Central Ave., Rahway, N. J.

Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.

U. S. Galvanizing & Plating Equipment Corp., 27-41 Heyward St., Brooklyn, N. Y.

Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Wi-To-Co."

KEEP PROFITS ALIVE IN '55

. . . get this live-wire line of *NEW*

CHAMP LUBRICATION & FUEL OIL FILTER REFILLS

Unexcelled in quality and performance, yet competitively priced, your NEW profit opportunity for '55 is here in Filter Refills. Handsomely lithographed cans and eye-appealingly packaged too. Your choice of 125 numbers and 3 filtering media, to serve every filtering need.

Get the full CHAMP story from your CHAMP representative, or write for catalog now.

SEND COUPON *TODAY*

Champion Laboratories, Inc.
126 Charles Street, Meriden, Conn.

Please send
- ☐ New Champ Catalog
- ☐ Bulk Pack Deal for fleets
- ☐ Representative with full story

Name.....
Firm.....
Address.....
City..... State.....

CHAMP • Multi-Screen Cellulose Type • Microtype Pleated Paper • Superkleen Wool Fibre Fuel Type • Truck Type • Bulk Pack

The Refills for Performance at a Price

WASHERS, Steel

(Advertisers only)

Whitehead Stamping Co., 1685 W. Lafayette Blvd., Detroit 16, Mich.

WASHERS, Vehicle

(Water, steam and compressed air)

Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing 4, Mich. (Steam.)

Champion Pneumatic Machinery Co., 825 N. Pleasant St., Princeton, Ill.

Chem-Therm Mfg. Co., Pasadena, Calif.

Choldun Mfg. Corp., 331 East St., New Haven, Conn.

Clayton Mfg. Co., 1363 Ellis Lane, El Monte, Calif. "Clayton-Kerrick." (Steam.)

Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. (Steam.)

Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1927 Kienlen Ave., St. Louis 20, Mo.

Deming Co., 884 S. Broadway, Salem, Ohio.

Detrex Corp., Box 501, Detroit 32, Mich. "Drex-Foamizer."

Friend Mfg. Co., East Ave., Gasport, N. Y.

General Equipment Div., Sterod Mfg. Co., 442 Frelinghuysen Ave., Newark 5, N. J.

Hardie Mfg. Co., Mechanic St., Hudson, Mich.

Homestead Valve Mfg. Co., (Hypressure Jenny Div.), Narrows Run Rd., Coraopolis, Pa. "Hypressure Jenny." (Steam vapor spray.)

Hydro-Air Cleaning Systems, Inc., 11311 Miles Ave., Cleveland 5, Ohio.

Jetomatic, Inc., 150 Wakelle Ave., Ansonia, Conn.

Kelite Products, Inc., 130 E. Elmyra St., Los Angeles 12, Calif. "Kelite."

Lawrence Liekweg Co., 2601 Belt Ave., St. Louis 12, Mo.

Malsbary Mfg. Co., 845 92nd Ave., Oakland 3, Calif. (Steam.)

Oakite Products, Inc., 19 Rector St., New York 6, N. Y. (Including tank truck interiors.)

Ross & White Co., Chicago Daily News Bldg., Chicago 6, Ill. "Backhall." (Automatic.)

Southwest Pump Co., First & Center Sts., Bonham, Tex.

Turco Products, Inc., 6135 S. Central Ave., Los Angeles 1, Calif.

U. S. Washmobile Corp., 350 N. Foothill Road, Beverly Hills, Calif.

Wayne Pump Co., 1432 State Ave., Cincinnati 4, Ohio.

WASHERS, Windshield, Vacuum Operated

Anderson Co., 1075 Grant St., Gary 40, Ind.

Santay Corp., 351 N. Crawford Ave., Chicago 24, Ill.

Trico Products Corp., 817 Washington St., Buffalo 3, N. Y.

WAX, See Polish, Body

WEATHER STRIPS

Accurate Products, Inc., 720 E. Washington St., Indianapolis 2, Ind.

Atlantic India Rubber Works, Inc., 571 Polk St., Chicago 7, Ill.

Automotive Products Div., Crotty Corp., 39 E. Chicago Ave., Quincy, Mich. "Yankee-seal."

Backstay Welt Co., Oak & Howard Sts., Union City, Ind. "Tricord."

Bridgeport Fabrics, Inc., 165 Holland Ave., Bridgeport 1, Conn. "Inner Seal." (Door.)

Brockton Stay Co 24 Essex St., Haverhill, Mass.

Buckeye Rubber Products, Inc., 637 N. Jackson St., Lima, Ohio.

Carter Co., George R., 630 Lycaste Ave., Detroit, Mich.

Chardon Rubber Co., Chardon, Ohio.

Continental Rubber Works, 1946 Liberty St., Erie, Pa., "Vitalic."

Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.

Dryden Rubber Div., Sheller Mfg. Corp., 1014 S. Kildare Ave., Chicago 24, Ill.

Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn. (Windshield, window, door and trunk.)

G & C Products Co., Lindale Rd., Amelia, Ohio. (Also door and trunk.)

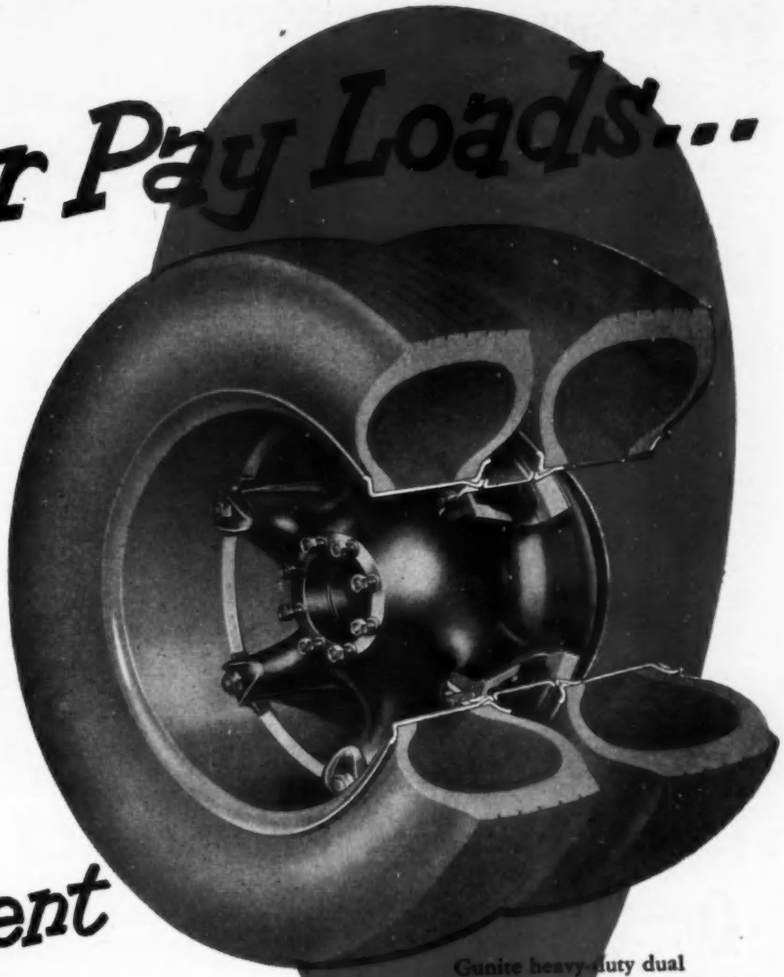
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio.

For Bigger Pay Loads...

specify

GUNITE WHEELS

(balanced if desired)



Gunite heavy-duty dual truck wheel assembly, complete with Gunite brake drum.

on your new equipment

GUNITE DESIGN adds strength . . . cuts weight

Gunite wheels will take your heaviest loads over the roughest roads. Yet their light weight and balanced assembly give you greatest possible economy and smoother traveling. ● Gunite wheels are precisely controlled steel castings . . . strong, rigid, ready for the toughest abuse. Their tubular spoke design contributes to maximum strength through accurate weight distribution . . . trims weight down to an economical minimum. ● You'll save money by specifying Gunite cast steel wheels on your new trucks, tractors and trailers.

GUNITE FOUNDRIES CORPORATION 1854 1954 100 YEARS OF PROGRESS

GUNITE

GUNITE FOUNDRIES CORPORATION · Rockford, Illinois

WEATHER STRIPS—*continued*

Goodrich Co., B. F., 500 S. Main St., Akron, Ohio.
Hamilton-Wade Co., 52 Haverhill St., Brockton 62, Mass.
Hope Webbing Co., Providence, R. I.
Industrial Rubber Goods Co., St. Joseph, Mich.
Inland Mfg. Div., General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.
Johnson Rubber Co., Middlefield, Ohio.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Kar-Seal." "Stix On."
Koehler Rubber & Supply Co., 3865 Carnegie Ave., Cleveland 15, Ohio. "Holdfast."
Kravex Mfg. Co., 273 Van Sinderen Ave., Brooklyn 7, N. Y. "K M." (Door and trunk.)
Lange Machine Works, Henry G., 150 N. May St., Chicago 7, Ill.
Lorraine Mfg. Corp., 54 W. Hunter Ave., Maywood, N. J.
Roberts Toledo Rubber Co., Prospect & MC R. R., Toledo 6, Ohio.
Schwartz Rubber Corp., 3708 Payne Ave., Cleveland 14, Ohio. "Fits-All" (Trunk.)
Sponge Rubber Products Co., Howe Ave., Shelton, Conn. "Spongex." (Door.)
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Union Welt Corp., 2727 W. Roscoe St., Chicago 18, Ill. "Sealtite."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Van Cleef Bros., Inc., 7800 So. Woodlawn Ave., Chicago 19, Ill. "Dutch Brand Rub-R-Shim."
Western Felt Works, 4029 Ogden Ave., Chicago 23, Ill.

WEATHER STRIP ADHESIVE

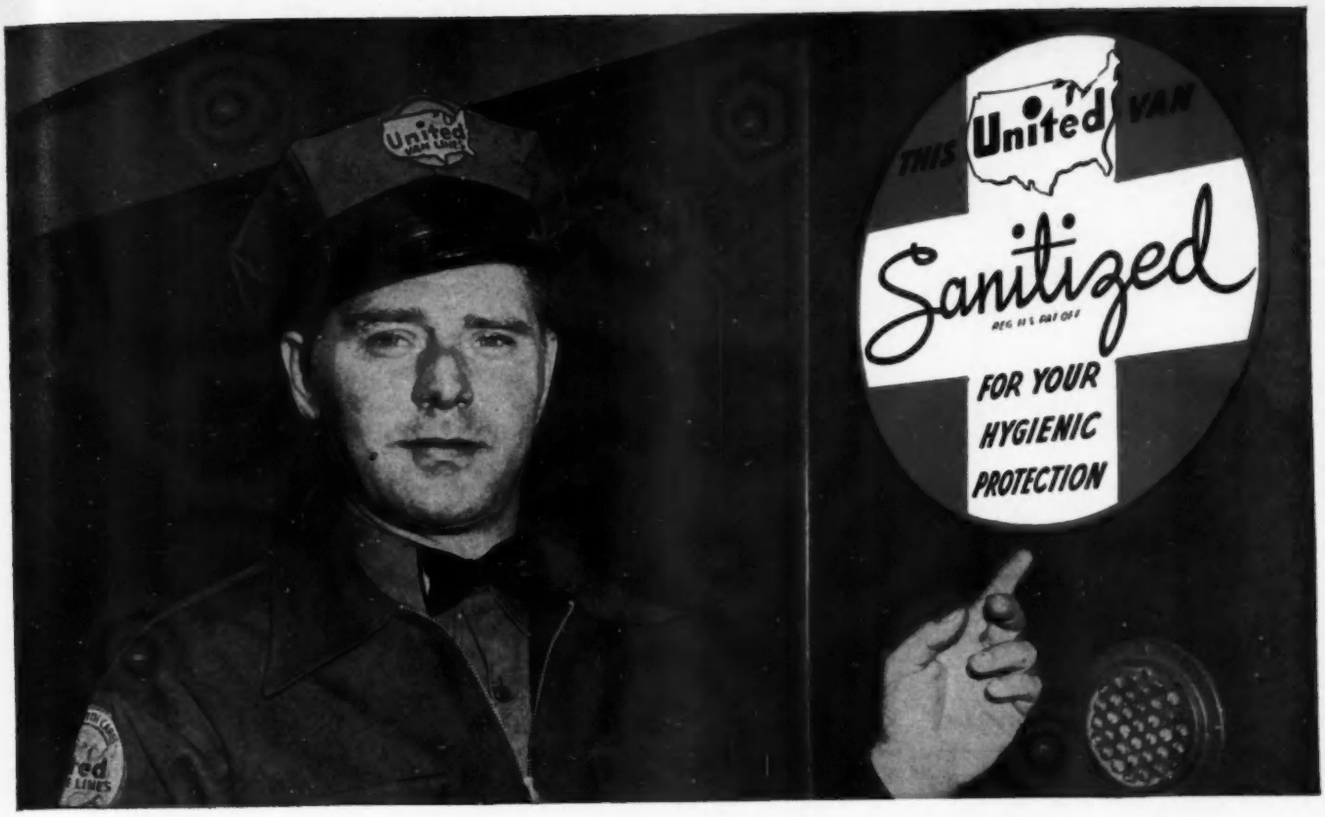
Carborundum Co., Niagara Falls, N. Y.

WEIGHTS, Wheel Balancing

Amplex Engrg. Co., 2510 Grand Ave., New Castle, Ind.
Bean Div. Food Machinery & Chemical Corp., John, 1305 S. Cedar St., Lansing 4, Mich.
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill.
Bee-Line Mfg. Co., P. O. Box 569, Davenport, Iowa.
Hite Mfg. Co., 1916 Dayton Blvd., North Chattanooga 5, Tenn.
Hunter Products Co., Hunter Ave. & Ladue Rd., St. Louis 24, Mo. "X-Art."
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Loney Company, H. C., 122 S. First St., Ann Arbor, Mich.
Lucas Mfg. Corp., 309 S. Union St., Kokomo, Ind.
Manbee Equip. Div., Bear Mfg. Co., 185 N. Wabash Ave., Chicago, Ill.
Namsco, Inc., 333-31st Ave., Bellwood, Ill. "National."
Perfect Equipment Corp., 804 W. Morgan St., Kokomo, Ind.
Pouell Mfg. Co., 818 Burlington Ave., Logansport, Ind. "Excel."
Snugl Wheel Weight Mfg. Co., Div. of Mid-Western Auto Parts, 824 E. Elm St., Kokomo, Ind.
Turner Mfg. Co., 404 W. Superior St., Kokomo 2, Ind. "Snap-Tite," "D & T."
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill.

WELDERS and EQUIPMENT, Arc, Electric

Agnew Electric Co., 121 S. Main St., Milford, Mich. (Automatic.)
Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York 17, N. Y. "Airco."
Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Berg-Gibson Mfg. Co., 817 E. 17th St., Kansas City 8, Mo. "B & G."
Borm Mfg. Co., 23 N. Union St., Elgin, Ill. "Elgin."
Couse Mfg. Inc., 300 Passaic St., Newark 4, N. J.
Delta Power Tool, Div. Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh 8, Pa.
Ergolyte Mfg. Co., 3627 N. Lawrence St., Philadelphia 40, Pa.
General Electric Co., Apparatus Sales Div., 1 River Rd., Schenectady 5, N. Y.
Good-All Electric Mfg. Co., 112 W. First St., Ogallala, Neb.
Mammett Electric Mfg. Co., 209 W. 19th St., Kansas City, Mo.
Harnischfeger Corp., 4400 W. National Ave., Milwaukee 14, Wis. "P & H."
Hobart Bros. Co., Canal Locks Square, Troy 1, Ohio.
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D. "Knock Out."
Lincoln Electric Co., 22801 St. Clair Ave., Cleveland 17, Ohio. "Shield-Arc," "Fleetwelder," Manual; "Lincolnweld," "Electric Tornado." (Automatic.)
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Mercury Electric Corp., 719 Wyandotte St., Kansas City 6, Mo. (Also combination bonder and arc welder.)
Metal & Thermit Corp., 100 E. 42nd St., New York 17, N. Y.
Mid-States Welder Mfg. Co., 6025 So. Ashland Ave., Chicago 36, Ill. "Mid-States Metal Zipper." (Also "Missing Link" stabilizers.)
Miller Electric Mfg. Co., 718 S. Bounds St., Appleton, Wis.
Morton Mfg. Co., Broadway & Hoyt St., Muskegon Heights, Mich.
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill. "Sureweld."
Precision Welder Mfg. Co., 660 Grand Ave., Chicago 10, Ill.



"United Van Lines finds Permalux Decals apply easier, look brighter, last longer"

. . . HARRY H. ROER, Vice-President and Sales Manager

THIS statement, by one of America's most progressive long distance moving firms, is proof positive that new PERMALUX DECALS* are superior on three important counts . . .

- **APPLICATION**
- **ATTRACTIVENESS**
- **DURABILITY**

***MADE WITH DU PONT "DULUX"® FINISHES**

We invite you to check PERMALUX DECALS on your own equipment. A letter or wire will bring samples, prices and full details, promptly and without obligation! Contact us today.

THE Permalux COMPANY

500 RATHBONE AVENUE • AURORA, ILLINOIS

Buy the Best—
It's Always Cheapest!

WELDERS, Arc, Electric—*continued*

Progressive Welder Sales Co., Viking Div., 3070 E. Outer Drive, Detroit 34, Mich.
Smith Corp., A. O., 27th & Hopkins Sts., Milwaukee 1, Wis.
Smith Welding Equipment Corp., 2633 Fourth St., S. E., Minneapolis 14, Minn.
Trindl Products, Ltd., 1807 S. Clark St., Chicago 16, Ill. (Welding.)
US Electric Welder Corp., 1258 Dorr St., Toledo 7, Ohio.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa. "Flex-Arc."

WELDERS and EQUIPMENT, Oxy-Acetylene

Air Reduction Sales Co., Lincoln Bldg., 60 E. 42nd St., New York, N. Y. "Airco."
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Dockson Co., C. H., 3839 Wabash Ave., Detroit 8, Mich. (Regulators.)
K-G Equipment Co., 1744 Lehigh St., Allentown, Pa.
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Oxweld," "Prest-O-Weld," "Purox."
Liquid Carbonic Corp., Industrial Gas Div., Front & Porter Sts., Philadelphia 42, Pa. "Gasweld."
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn. (Portable acetylene generators.)
Modern Engineering Co., 3411 Pine Blvd., St. Louis 3, Mo. "Meco."
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago, Ill. "Rego."
Sight Feed Generator Co., West Alexandria, Ohio. (Acetylene generators.)
Smith Welding Equipment Corp., 2633 Fourth St., S. E., Minneapolis 14, Minn.
Tolman Mfg. Co., 19 W. Third St. (South Boston), Boston 27, Mass.
Victor Equipment Co., 844 Folsom St., San Francisco 7, Calif.

WELDING CABLE, See Cable, Welding
WELDING COMPOUNDS, See Compounds, Welding
WELDING HOSE, See Hose, Welding
WELDING RODS, See Rods, Welding
WHEEL ALIGNMENT EQUIPMENT, See Gages, Wheel and Axle Aligning
WHEEL BALANCING MACHINES, See Balancers, Wheel

WHEELS, Fifth

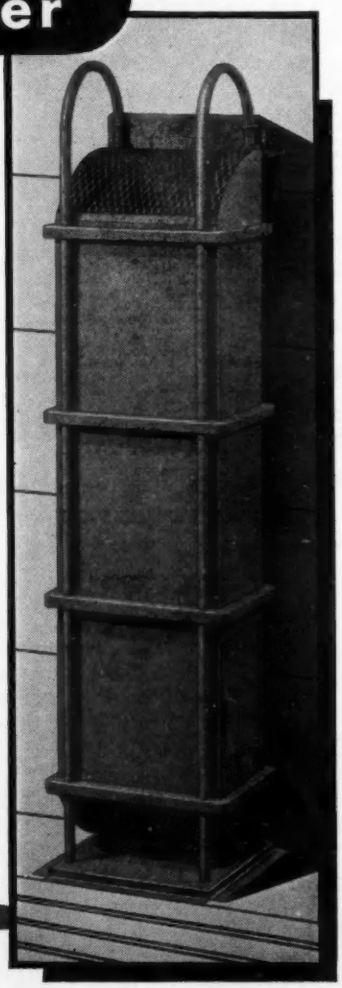
American Steel Foundries, 410 N. Michigan Ave., Chicago 11, Ill. "A.S.F."
Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Bartlett Trailer Corp., 3080 Archer Ave., Chicago 8, Ill. (Hydraulic.)
Bound Brook Safety Equipment Co., 232 W. Union Ave., Bound Brook, N. J.
Cemco Industries, Inc., First National Bank Bldg., Galion, Ohio. (Elevating.)
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton 1, Ohio.
Fontaine Truck Equipment Co., 1232 37th Place N., Birmingham, Ala.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Hodo & Vandegriff, Inc., Box 2127, Montgomery, Ala. (Fifth wheel No-tilt lock.)
Holland Hitch Co., 430 W. 18th St., Holland, Mich. "Apgar," "Holland."
Hyster Company, 2940 N. E. Clackamas St., Portland 8, Oregon (Trailer Jockey.)
Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Calif.
Kingham Trailer Co., 15th & Hill Sts., Louisville, Ky. "Kingham-Universal."
Pollard Co., C. E., 14571 Schaefer Rd., Detroit 27, Mich. (Hydraulic elevating.)
Silver Eagle Co., 5885 N.W. St. Helens Rd., Portland 10, Ore.
Spencer-Safford Loadcraft, Inc., Augusta, Kan.
Snyder Tank Corp., 3773 Lake Shore Blvd., (P. O. Box 11), Buffalo 5, N. Y.
Utility Trailer Mfg. Co., P. O. Box 3608, Terminal Annex, Los Angeles 54, Calif.
Weber Trailer & Mfg. Co., 8400 E. Slauson Ave., Rivera, Calif. (Mailing address P. O. Box 2473, Los Angeles 54, Calif.)

WHEELS, Grinding

Allison Co., 257 Island Brook Ave., Bridgeport 8, Conn.
Automatic Steel Products, Inc., 1201 Camden Ave., S.W., Canton 6, Ohio.
Bay State Abrasive Products Co., 12 Union St., Westboro, Mass.
Behr-Manning Corp., 1354 Seiferts St., Troy, N. Y.
Besley-Welles Corp., 20 N. Wacker Drive, Chicago 6, Ill.
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
Cincinnati Milling Machine Co., Milling Products Div., Marburg Ave., Cincinnati 9, Ohio.
DeSanno & Son, A. P., Wheatland St., Phoenixville, Pa.
Dessau Co., Maurice S., 535 5th Ave., New York 17, N. Y.
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill. (Abrasive.)
Industrial Diamond Co., 2392 Wolcott Ave., Ferndale 20, Mich.
Keel & Co., 65 W. Penn St., Philadelphia 44, Pa.

The NEW
HUNTER
LP-Gas Cargo Heater

Light Weight
Compact
Easy to Install



Provides Greater Heating Capacity

The Hunter LP-Gas Cargo Heater with an exclusive new jet type burner moves a constant flow of clean heated air to every corner of even the largest trailer, providing safe, sure protection for perishable cargo.

- Operates for 24 hours at top heat — at very low cost.
- Completely independent automatic operation.
- Accurate thermostatic control — no "hot spots" — no "cold spots."
- No moving parts — no maintenance problems.
- Safety pilot — meets all ICC safety regulations.
- Compact — takes up less cargo space — cargo can be placed within 4 inches of heater.
- Operates in coldest weather — on or off the road.

Completely self-contained portable units also available.

HUNTER
MANUFACTURING CO. 1550 East 17th St., Cleveland 14, Ohio

WHEELS TO WINCHES

WHEELS, Grinding—*continued*

Keystone Reamer & Tool Co., Millersburg, Pa.
Madison-Kipp Corp., 201 Waubesa St., Madison 10, Wis.
Metal Carbides Corp., 107 E. Indianola Ave., Youngstown 7, Ohio. "Talide" (Diamond).
Mid-West Abrasive Co., 510 S. Washington St., Owosso, Mich.
Millers Falls Co., Greenfield, Mass.
Norton Co., 1 New Bond St., Worcester 6, Mass.
Peninsular Grinding Wheel Div. Abrasive & Metal Products Co., 729 Meldrum Ave., Detroit 7, Mich.
Precision Grinding Wheel Co., 8301 Torresdale Ave., Philadelphia 36, Pa.
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J.
Simonds Abrasive Co., Tacony & Fraley Sts., Philadelphia 37, Pa.
Simonds Worden White Co., 1101 Negley Place, Dayton 7, Ohio.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Sterling Abrasives Div. of Cleveland Quarries Co., Wall St., Tiffin, Ohio.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Universal Wheel & Abrasive Corp., 400 N. Ashland Ave., Chicago 22, Ill.
Wickman Mfg. Co., 10325 Capital Ave., Oak Park, Detroit 37, Mich.

WHEELS, Vehicle, Cast Metal

Aluminum Co. of America, 801 Gulf Bldg., Pittsburgh 19, Pa.
Clark Equipment Co., Buchanan, Mich. (Truck and bus.)
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton, Ohio. (Spoke types.)
Eastern Malleable Iron Co., 112 Bridge St., Naugatuck, Conn.
Erie Malleable Iron Co., Automotive Wheel Div., 609 W. 12th St., Erie, Pa.
Gunite Foundries Corp., 302 Peoples Ave., Rockford, Ill. (Truck.)

WHEELS, Vehicle, Disc

Aluminum Company of America, Pittsburgh 19, Pa.
Budd Co., 2450 Hunting Park Ave., Philadelphia 32, Pa.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich. (Truck.)
Motor Wheel Corp., 701 E. Saginaw St., Lansing 3, Mich. "Disteel."

WHEELS, Trailer

Budd Co., Wheel Div., 12141 E. Charlevoix Ave., Detroit 14, Mich.
Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton, Ohio.
Differential Wheel Corp., 5169 Martin Ave., Detroit 10, Mich. (Differential dual.)
Erie Malleable Iron Co. (Automotive Wheel Div.), 609 W. 12th St., Erie, Pa. (Single and dual pneumatic, malleable iron.)
French & Hecht, Div. Kelsey-Hayes Wheel Co., Third & Farnam St., Davenport, Iowa.
Geneva Metal Wheel Co., 191 Factory Row, Geneva, Ohio.
Gunite Foundries Corp., 302 Peoples Ave., Rockford, Ill. (Cast steel.)
Homan & Co., Inc., 511 Reading Rd., Cincinnati 15, Ohio.
Kelsey-Hayes Wheel Co., 3600 Military Ave., Detroit 32, Mich.
Motor Wheel Corp., 735 E. Saginaw St., Lansing 3, Mich. (Disc steel.)
Permold Co., 820 W. Liberty St., Medina, Ohio. (Aluminum.)

WINCHES, Truck

Adams Engineering Co., 31711 Solon Rd., Solon, Ohio.
Beebe Bros., 2724 Sixth Ave., S., Seattle 4, Wash. (Hand.)
Braden Winch Co., Box 547, Broken Arrow, Okla.
Four Wheel Drive Auto Co., Eagle Div., 414 E. Winnebago St., Appleton, Wis.
Gar Wood Industries, Inc., Wayne, Mich. "GW."

it's what's inside that counts

DON'T BE MISLED BY PRICE ALONE!

There is NO substitute for DIESELPAK'S Patented Filtering Process for Heavy Duty Compounded oils AT ANY PRICE. The DIESELPAK cleans more oil faster—keeps it CLEAN longer—and gives more service and better engineered protection than any other filtering element. It PAYS to get the BEST!

STANDARD OF THE INDUSTRY SINCE 1936

✓ PROTECTS ENGINE
The DIESELPAK is designed to remove not only ABRASIVES but also CONTAMINANTS such as moisture, carbon, acid, etc., from oil, and is engineered to keep the filtering media and the removed contaminants from migrating back into engine.

✓ EXTENDS PERIODS BETWEEN DRAINS
The DIESELPAK collects and holds even the most finely dispersed contaminants without affecting or removing compound additives from the oil. A glance at the dip stick will show that the oil is CLEANER—symbol of better lubrication and longer oil life enjoyed only by Luber-finer users.

✓ TAKES LESS OIL
The DIESELPAK because of its engineered construction requires 2 to 4 quarts less oil than spongy substitute filter elements being offered for use in the Luber-finer housing. This is an additional saving enjoyed when using the DIESELPAK.

LUBER-FINER PACKS AVAILABLE:

1. REFINING PACK—Introduced to the public in 1935 for use with straight mineral oils, fuel oils, hydraulic oils, and inhibited industrial oils.

2. DIESELPAK—First made available in 1941, the DIESELPAK was primarily designed for use with H. D. detergent compounded oils and has also achieved outstanding results when used with fuel oils and straight mineral oils.

WRITE FOR COMPLETE INFORMATION TO DEPT. 13

LUBER-FINER, INC., 2514 S. Grand Ave., Los Angeles 7

FORWARD!

by

LUBRIPLATE LUBRICANTS

The introduction of LUBRIPLATE Lubricants established a new high standard for industrial lubrication. Now, a recently patented improvement in the production of LUBRIPLATE results in even greater lubrication efficiency. Under today's operating costs, reduction of down time, less parts wear and replacements, as well as lower power consumption, far outweigh any differential in the initial cost of LUBRIPLATE Lubricants.

For nearest LUBRIPLATE distributor see Classified Telephone Directory. Write for your free copy of the new and enlarged LUBRIPLATE DATA BOOK—a most valuable treatise on modern lubrication!

LUBRIPLATE DIVISION
Fiske Brothers Refining Co.
Newark 5, N. J. • Toledo 5, Ohio

WINCHES TO WRENCHES

WINCHES, Truck—*continued*

Highway Trailer Co., 421 E. Fulton St., Edgerton, Wis.
Hobbs Mfg. Co., 609 N. Main St., Fort Worth 1, Tex.
Holan Corp., J. H., 4100 W. 150th St., Cleveland 11, Ohio.
Hubbard Mfg. Co., Farmland, Ind. (Power.)
Little Giant Products, Inc., 1530 N. Adams St., Peoria 3, Ill. (Hand.)
Lufkin Foundry & Machine Co., Lufkin, Tex.
M-B Corp., 1615 Wisconsin Ave., New Holstein, Wis. (Hand.)
Manley Div., American Chain & Cable Co., E. Princess & Charles Sts., York, Pa.
Ramsey Winch Mfg. Co., Box 3035, 5531 E. Admiral Place, Tulsa 8, Okla.
Round Bridgeport Chain & Mfg. Co., 964 Crescent Ave., Bridgeport, Conn.
Round & Son, David, Box 883, Cleveland 22, Ohio. (Hand.)
Sasgen Derrick Co., 3101 Grand Ave., Chicago 22, Ill.
Silent Hoist & Crane Co., 852 63rd St., Brooklyn 20, N. Y.
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, L. I., N. Y.
Truck Engineering Co., 1285 W. 70th St., Cleveland 2, Ohio.
Tulsa Winch Div. of Vickers, Inc., 823 E. First St., Tulsa, Okla.

WIPERS, Windshield, Air

Marquette Metal Products Co., 1145 Galewood Drive, Cleveland 10, Ohio.
National Pneumatic Co., 125 Amory St., Boston 19, Mass.
Sprague Devices, Inc., 500 Huron St., Michigan City, Ind. "Air Push."
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. (For trucks and buses.)

WIPERS, Windshield, Electric

American Bosch Div., American Bosch Arma Corp., 3664 Main St., Springfield 7, Mass. "American Bosch Neverstall."
E. A. Laboratories, Inc., 696 Myrtle Ave., Brooklyn 5, N. Y.
Electric Auto-Lite Co., Lamp Div., Lockland, Ohio.
Electric Auto-Lite Co., Owen-Dyneto Div., 1930 Park St., Syracuse, N. Y.
Electric Service Mfg. Co., 17th & Cambria Sts., Philadelphia 32, Pa. (For bus and trolley.)
Redmond Co., Owosso, Mich.
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Storm-King Products Co., 148-08 95th Ave., Jamaica 4, N. Y.

WIPERS, Windshield, Vacuum

Trico Products Corp., 817 Washington St., Buffalo 3, N. Y.

WIRE, IGNITION, STARTING AND LIGHTING, See Cable, Ignition, Starting and Lighting

WRECKERS, See Cranes, Service Truck

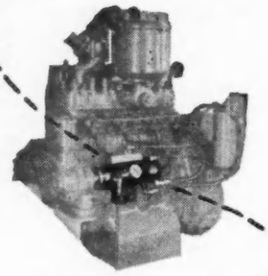
WRENCHES, Portable Electric

Chicago Pneumatic Tool Co., 6 E. 44th St., New York 17, N. Y. "Universal."
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Millers Falls Co., Greenfield, Mass.
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

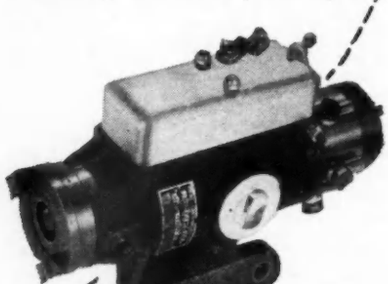
WRENCHES, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Buckeye Tools Corp., 29 W. Apple St., Dayton 1, Ohio.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y.
Cleco Div. of Reed Roller Bit Co., 5125 Clinton Drive, Houston 1, Texas.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Master Pneumatic Tool Co., 149 Peniman Rd., Orwell, Ohio. "Master Power."
Thor Power Tool Co., 175 State St., Aurora, Ill. "Thor."

Buying A New Diesel?



look for this **revolutionary** new fuel injection pump



It's Roosa Master—the modern fuel injection pump. Simple . . . compact . . . light-weight . . . and extra easy to service . . . Roosa Master offers performance-proven life and trouble-free fuel injection for all major types of high speed diesel engines.

Perfected after 15 years of engineering research and extensive field experience, Roosa Master is manufactured by Hartford Machine Screw Company, one of New England's leading manufacturers of precision machined products, and backed by a 75-year-old tradition of integrity and dependable customer service.

For the complete facts, write to Hartford Machine Screw Company, Hartford 2, Connecticut, or consult your engine manufacturer.

ROOSA MASTER
THE MODERN FUEL INJECTION PUMP

makes good diesels **better!**

TRAPPED BY BELT FAILURE?

Switch To Dayton Cog-Belts* For Extra Service Miles, Lower Cost!

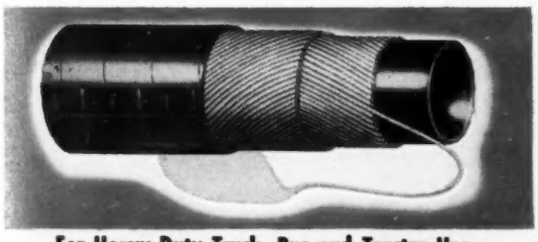
Excessive fan belt failures idling your equipment, delaying payloads, tying up maintenance crews, slowing down operations? Then, try longer-lasting Dayton Cog-Belts on your fleet.

That's because Dayton Cog-Belts, with the exclusive, patended *molded* cog, bend as easily as your finger. Because the cogs close up in bending, compression strains are minimized and Dayton Cog-Belts run cooler for thousands of extra service miles. This scientific design resists destructive heat build-up which shortens service life of ordinary belts—keeps Daytons going long after other belts have become unserviceable.

You'll see the difference at once—on the road and in the shop. Fan belt replacement costs will go 'way down with Dayton Cogs — as much as 66%, many operators claim.

So when rising costs due to premature fan belt failure have you cornered, change to Dayton Cog-Belts for important savings and a worthwhile bonus in extra miles of service for your fleet.

For Complete Coverage, Add Dayton Straight-Flex H. D. Radiator Hose



For Heavy Duty Truck, Bus and Tractor Use

Protects radiator connections—longer. Made with nylon-wrap finish. Comes in 21 most used sizes, in 3' lengths, ready to cut and install.

Dayton Straight-Flex H.D. straight hose is your best bet to keep shop inventory low, yet ready for any emergency. Made with tire cord, it's easy to measure, easy to install. Heat and oil resistant, Dayton H.D. hose is flexible at low temperatures. Protects radiator connections, absorbs maximum vibration and shock.

To make these savings for your fleet and then consolidate your gains, call your Dayton Jobber. Ask him about his complete fleet program, which includes the expert service of a Dayton Fleet Engineer. Or write direct to Dayton Rubber Co., Automotive Division, Dayton 1, Ohio.

*T.M. D.R. 1954

Cog-Belts and Radiator Hose by

Dayton Rubber

Since 1905

WORLD'S LARGEST MANUFACTURERS OF V-BELTS

GET IT FROM YOUR JOBBER

with 100% Acrylic Base

Costs Pennies... Can Save You Dollars

★

INSULATES and WATERPROOFS

- ✓ *Ignition and Spark Plugs*
- ✓ *Battery Cables and Wiring*
- ✓ *Metal Trim and Woodwork*

Reduce the chances of troublesome ignition and electrical failures with waterproofing, insulating Champion Sprayon Plastic Sealer. Protect metal and wood parts from weather and wear. It's high in dielectric strength, corrosion resistant, impervious to salt spray and chemicals . . . sprays on any surface, dries quickly to non-tarnishing, flexible finish. Excellent, invisible protection for all chrome parts.

The handy 12-oz. Sprayon aerosol can fits readily into tool kit for on-the-job use by trouble-shooting mechanics. Patented non-clogging nozzle releases Freon-propelled spray with only fingertip pressure—instant, sure application. Plastic Sealer also available in bulk with special Plastic Reducer.

Champion also supplies a wide range of synthetic automotive Enamels, Lacquers and authentic tractor and implement shades in Sprayon form. Ask about bulk Champion Ultra Chrome No. 22 and Exterior Chrome No. 11 for complete body finish jobs on trucks and busses, cabs and trailers—also Champion Rust-Proof Primer with its special rust-inhibiting chemical action. Proved money-savers in vehicle maintenance!

See your jobber or write direct.

Champion Bronze Powder & Paint Co., Inc.

2526 W. Van Buren St. Dept. COCA, Chicago 12, Ill.

WRENCHES TO WRIST PINS

WRENCHES, Torque

Airdraulics Engineering Co., Burtis Ave., New Canaan, Conn. "Trutorq."
Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Apco Mossberg Co., Lamb St., Attleboro, Mass.
Blackhawk Mfg. Co., 5325 W. Rogers St., Milwaukee 1, Wis. "Blackhawk Torkflash."
Bonney Forge & Tool Works, Tilghman & Meadow Sts., Allentown, Pa.
C. & G. Wheel Puller Co., Scio, N. Y. (Preset.)
Cedar Rapids Engineering Co., 902 N. 17th St., Cedar Rapids, Iowa. "Kwik-Way."
Chicago Tool & Kit Mfg. Co., 230 N. Jefferson St., Chicago 6, Ill.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro Chrome."
Hastings Mfg. Co., N. Hanover St., Hastings, Mich.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
J O Mfg. Co., 8442 Otis St., South Gate, Cal. "Joel," "Joex," "Jomi," "Jote."
Kent-Moore Organization, Inc., 5-105 General Motors Bldg., Detroit 2, Mich.
New Britain Machine Co., South St., New Britain, Conn. "New Britain" and "None Better."
P & C Hand Forged Tool Co., Box 5926, Milwaukie, Ore.
Proto Tools, 2209 Santa Fe Ave., Los Angeles 54, Calif.
Reasor Mfg. Co., 13th & Indiana Ave., St. Charles, Ill.
Richmont, Inc., 922 S. Myrtle Ave., Monrovia, Calif. "Livermont Torq-Stop."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Sturtevant Co., P. A., Addison, Ill.
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Measurrench."
Wilson, K. R., 215 Main St., Buffalo 3, N. Y.

WRENCHES, TIRE, See Tools, Tire

WRENCHES, Two-Speed Axle

Automotive Service Tools, Inc., Lansing, Mich.

WRIST PINS, See Pins, Piston

Bottle Body

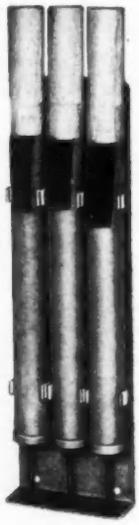
New, pallet loading van body for local deliveries of beer and other bottled goods, developed by Omaha Body & Equipment Co., Omaha, Neb., has two sliding steel doors on each side of the body that open completely for fast, efficient fork-lift loading at dock-side. Unloading also can be handled from either side. Inclined steel flooring and removable partitions hold each pallet firmly in place. There are full-length built-in steps along each side. It has a 14-ft overall length for eight pallets, 78-in. inside height, and 96-in. overall width.

FOR DEPENDABILITY

Kilgore

"INTERNATIONAL" AUTOMOTIVE

FUSEES



- **Faster Starting**
- **Full Burning Time**
- **Brighter Red Color**
- **Heavy Water-Proofing**
- **Plastic Base Plug**

For more than a quarter of a century Kilgore "International" has been the standard of quality for automotive and truck fusees. When you need a fusee you must have confidence that it will operate with maximum efficiency. That's Kilgore! Available with or without spikes, wire stands or cab bracket.

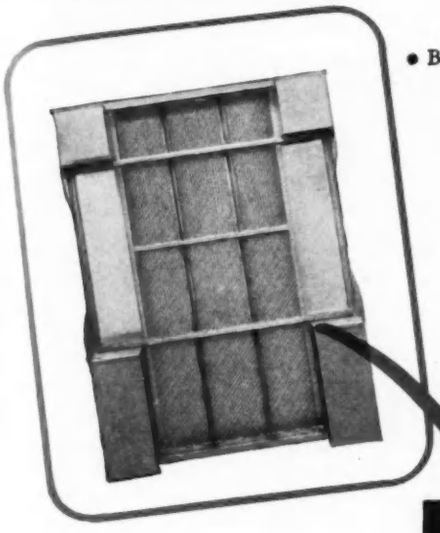
Approved by Underwriters Laboratories, Meets Bureau of Explosive Specifications.

Kilgore **INC.**

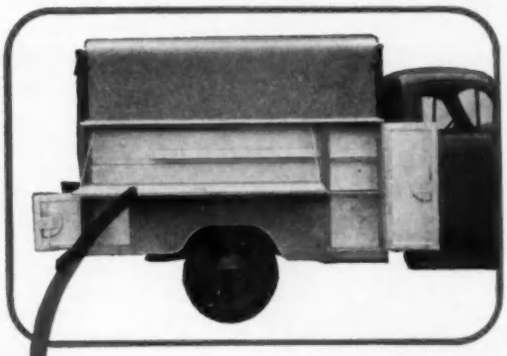
Westerville, Ohio

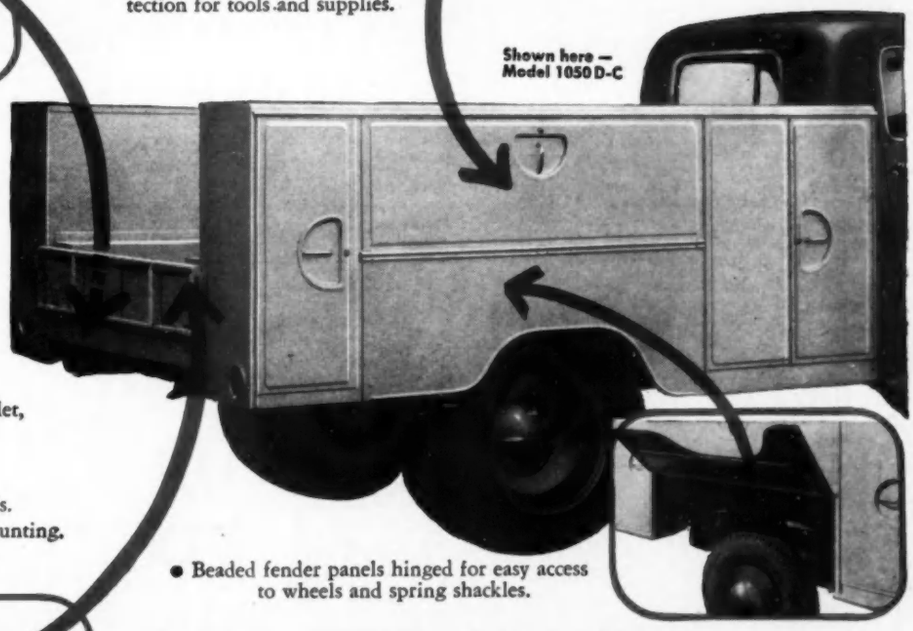
→ **A Completely NEW LINE of Service Bodies with**

25 FEATURES to help you get more work per truck ... at less cost per job



- Bonderized, all-steel welded construction.
- Double lap-type joints.
- Extra-wide doors for easy access.
- Larger, greater capacity compartments.
- Embossed door panels for rigidity and appearance.
- Fully recessed door handles.
- All doors keyed alike.
- Tumbler-type locks at no extra cost.
- Full bolt-action locking bar.
- Weather-proof compartments ... lap-seal and gutter drain on all doors.
- Raised bottoms of all vertical compartments provide extra protection for tools and supplies.





Shown here — Model 1050 D-C

- Extra strength, bridge-type construction with interlocking lateral and longitudinal reinforcements.
- Side boxes supported by one-piece cross members, reinforced at mounting holes.

- Models to fit 40 different Ford, Chevrolet, Studebaker, Dodge, GMC and International chassis.
- For ½, ¾, 1 and 1½-ton trucks.
- For both single and dual wheel chassis.
- Exclusive 4-point coil spring body mounting.
- Complete line of Service Accessories.

- Beaded fender panels hinged for easy access to wheels and spring shackles.

Shown here — Model 900 D with upper structure.

- Heavy-duty reinforced 16-gage bulkheads.
- Outside compartment headers 14-gage steel.
- 12-gage, 4-way, safety tread non-skid floor.
- From 25 to 35 square feet of floor loading area.
- Through wheel housings for universal dual wheel application.
- Reinforced tailgate.

For Better Service and Greater Utility . . . Specify

Morrison service bodies

MORRISON SERVICE BODIES

• WRITE FOR COMPLETE DETAILS

Morrison Service Body Division,* MORRISON STEEL PRODUCTS, INC., *681 Amherst St., Buffalo 7, N. Y.

Also manufacturers of MOR-SUN Furnaces and ROLY-DOOR Steel Garage Doors.

→ Morrison Service Bodies are carried by leading Truck Equipment Distributors in all principal cities.

Stock This "Quadruple-Threat" Cleaner for Chasing Oily, Greasy Dirt!

Use Magnusol concentrate in any of these low-cost, time-saving and safe cleaning jobs...

For Engines, Chassis and Underbodies

Spray surfaces to be cleaned with Magnusol solution. Let soak. Then rinse with water for a really clean, labor-saving job.

For Very Greasy Floors

Spray or brush on solution. Let soak a few minutes. Then rinse.

For Extra Dirty Bodies

Spray or brush on the solution. Let soak a few minutes, then rinse with water. Dirt is gone... body finish is as good as new.

For Miscellaneous Parts

Place parts in tank containing the Magnusol mix. Take them out as needed... rinse with water, and you have clean, oil-free, greaseless pieces.

Magnusol is safe for all metals... is non-toxic and non-flammable.

Get Acquainted with This "Quadruple-Threat" Cleaner

Write for details on the Magnus 30-day trial offer.

magnus

MAGNUS CHEMICAL CO., INC.
38 South Ave., Garwood, N. J.
In Canada: Magnus Chemicals, Ltd., Montreal
Service Representatives in Principal Cities

INCREASE YOUR TIRE MILEAGE UP TO 30%!

Get full details on reducing tire costs by branding! With the Everhot tire brander and Everhot tire mileage record system (furnished without charge to users of the Everhot tire brander) you'll know the complete story and exact cost per mile on every tire in your fleet. You will be able to determine which tire is best fitted for your needs. Tire costs will be reduced and the service received from each tire will be increased.

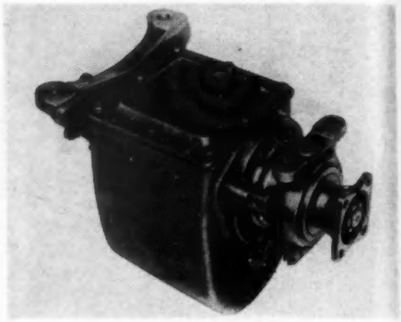
Write for free sample tire mileage record forms and information on tire branders today!

EVERHOT MFG. CO. 57 So. 19th Ave. Maywood, Ill.

Truckstell's 2 & 3-Speed Auxiliary Transmissions

Two new auxiliary transmissions have been added to the Truckstell Mfg. Co., Cleveland, Ohio, line of special truck equipment.

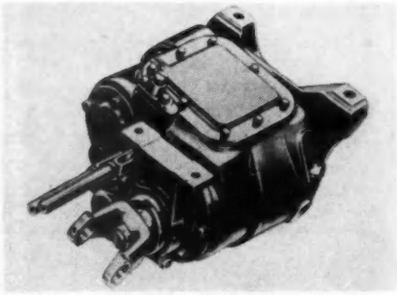
First auxiliary is a 2-speed model that supplies an answer for those truckers who have adequate gear



splits but need greater pulling power for climbing steep grades or for off-highway operation. Light in weight and inexpensive, this model provides an underdrive ratio of 2.18 to 1. It is engineered to serve trucks with gas engine displacement of up to 265 cu in.

3-Speed Model

The other is a 3-speed model designed to meet the need for extra power gears and gear splits in all



popular size trucks. Optional ratio combinations are available as it is a built-in, full engine torque, variable speed power take-off.

This heavy duty model is built of the finest alloy steel. It has constant mesh helical-cut gears.

The 3-speed unit is available with a built-in, full engine torque, variable speed power take-off. Power can be taken from the front or rear end of the gear box. The power take-off can also be had built-in Truckstell's dual-axle drive power divider and 3-speed auxiliary. In this installation, power take-off is from the front end of the gear box with the opposite end used to power the two driving axles.

Only Grote Gives you an EXTRA margin of safety!

NEW GROTE "RED HOT"

OUTSHINES ALL OTHER TRUCK REFLECTORS

FOR VISIBILITY . . . BRILLIANCE!

Look Inside and See Why . . .

IT'S SEALED AGAINST MOISTURE—Grote's exclusive sealing process keeps inner lens surface entirely free from dirt, moisture . . . no chance for foreign materials to cause distortion of reflected light rays. Insures clear, ultra-long range reflectivity!

IT'S FADE PROOF—Each lens has a clear, smooth surface. Proper pressure in plasticizing prevents color streaks. Brilliant, bright red and amber reflectors cannot fade, discolor. They're "red hot"!

Grote "Red Hot" provides extra long range reflectivity—Many times the brilliance of reflected light required. Twice the visibility required in long range reflectivity. Grote Reflectors far surpass all State, I. C. C. and S. A. E. photometric requirements.

Look Outside, Too, and See Why Grote "Red Hot" Means Greater Safety!

IT'S RUST PROOF—Grote "Red Hot" Reflectors feature polyethylene plastic housings . . . durable, tough, pliable. The flexible quality of the plastic housing enables these reflectors to fit snugly against any surface . . . also provides a cushioning effect against breakage due to bumping or jarring. Grote Reflectors are designed to take hard usage, in all weather. Rugged construction with shatter resisting plastic lens insures long service.

Grote Reflectors are also available with steel housings.

You can buy the Grote "Red Hot" and other Grote Reflectors from your jobber. Send for complete facts today.

THE GROTE MANUFACTURING CO., INC. • BELLEVUE, KENTUCKY • OPPOSITE CINCINNATI

Studebaker Has Seven Truck Models, Three Engines in 1955 Line

SEVEN new truck models have been announced by Studebaker's Commercial Vehicle Division.

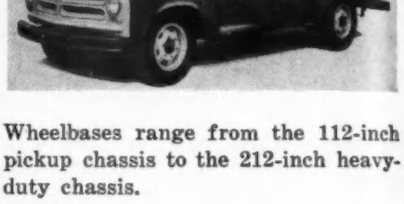
Automatic drive transmissions with direct drive in high gear are available as an extra-cost option on the most popular ½ and ¾-ton models. New five-speed transmissions with either direct drive or overdrive also are available as options in heavier models.

Three New Engines

Three new engines are in the 1955 Studebaker truck series. The "Power-Plus" V-8 develops 175 hp in the 2-ton models, and is available as a 156-hp unit in 1½-ton models. The "Econ-o-Miser" V-8, with 140 hp, is in ½, ¾ and 1-ton models, and the fast, thrifty, "Econ-o-Miser" six is in ½ and ¾-ton models.

Roomy three-man cabs are designed for driver comfort and safety. Full vision at all angles is provided by the large one-piece rear window and one-piece windshield.

The Studebaker 1955 series trucks range in GVW from 4600 to 16,000 lb.



Wheelbases range from the 112-inch pickup chassis to the 212-inch heavy-duty chassis.

Square Engine

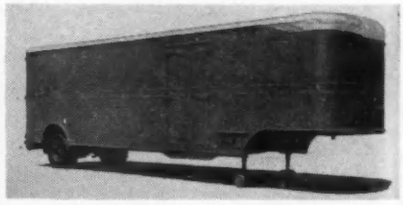
The "Power-Plus" V-8 175 hp engine is practically "square," with a stroke of 3¼ in. and a bore of 3-9/16 in. A maximum gross torque of 250 ft. lb. is delivered.

The engine has a four-barrel carburetor. The two additional barrels, actuated mechanically, are cut in simply by depressing the accelerator.

The new "Econ-o-Miser" V-8 engine has a stroke of 2-13/16 in. with a bore of 3-9/16 in.

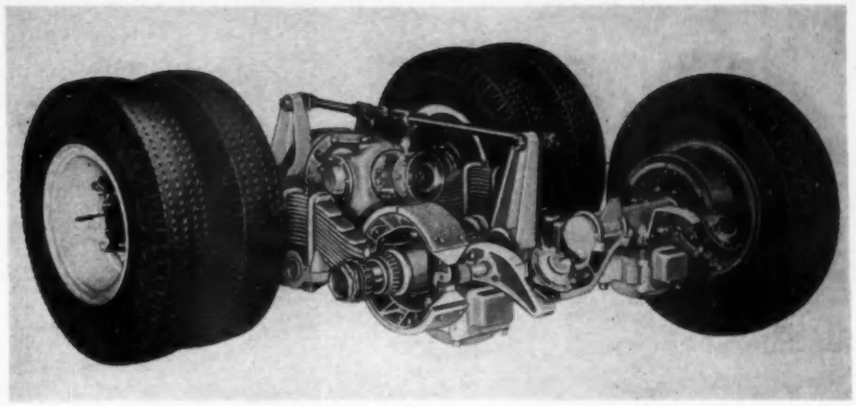
The "Econ-o-Miser" six has a stroke of 4⅜ in. with a bore of 3 in. giving 185 cu. in. of displacement.

New Furniture Van



Fruehauf Trailer Company's new Model No. FW-1 single axle, warehousemen's van is made in five different lengths from 27 to 35 ft, with capacities of from 1535 up to 2035 cu ft. It features four rows of recessed cleats back of the drop and three rows ahead of the drop. Doors are further forward than in previous models. Floors are now hardwood tongue-and-groove, undercoated for moisture and dust protection. The trailer is mounted on the Fruehauf multi-rate suspension with adjustable radius rods. Plywood lining is employed, with consolite insulation between the flat part of the roof and the bows.

Mack Offers New Pusher Bogie



DRIVING on its rearmost axle only, on which two-thirds of the load is carried, a new pusher-type bogie has just been announced by Mack Trucks, for use in six-wheeled tractors.

Specifically intended for use in connection with tandem-axled semitrailers, the new bogie permits payloads midway between those legally obtainable with four-wheeled tractors and those with four-wheel-driven bogies. It affords an increase of 7000 lb net capacity over a single axle.

Only Two Torque Rods

This is a balanced bogie, in which, it is claimed, torque reactions are virtually cancelled out, so that transfer of weight between the two axles is eliminated, thus obviating the causes of bogie-hopping either in driving or braking. This is accomplished by employing high-cambered inverted semi-elliptic springs as the lower members of the parallelogram, with only two torque rods, located on top, in combination with a low-swung, rubber-bushed trunnion and rubber shock insulators joining the spring ends firmly to the axles.

Single Tire Forward Axle

Virtually identical with standard Mack rear axles for four-wheeled tractors, the rearward axle is of the dual reduction type.

Consisting of a dropped central yoke with tubular ends, the forward axle carries single-tired wheels and its brakes are proportioned accordingly.

Self-Steering

The self-steering characteristic is produced as the result of the elongation of the outer spring and the corresponding retraction of the inner one in rounding a curve, which, because they are firmly joined to the axles by their rubber shock insulators, causes the axles to depart from parallelism a sufficient amount to roll around a turn without scuffing.

Known as Model No. SWDR-49, the new pusher bogie is available at present only on Model Nos. B-60 ST and B-61 ST, six-wheeled tractors. Axles on the bogie are spaced 50 in. apart. Size 10.00 x 20 tires only are available on spoked wheels, while on steel or aluminum disk wheels 10.00 x 22 tires are also applicable. Ratios of 4.28, 4.60, 5.30, 5.74 and 6.26 are available in the rear axle carrier.

FLEET OPERATORS!

Use ATI Heavy Duty TRUCK AND BUS MUFFLERS

- Proved for Over Ten Years as Original Equipment!
- Proved as Replacement Mufflers!
- Acclaimed By Fleet Operators, Drivers As the Answer to Noise Abatement Laws!
- Hailed By The Trade As The ONLY Line That Can PROVE What Others Claim!

You Benefit Because ATI Heavy Duty Truck and Bus Mufflers improve engine performance, efficiency and economy and reduce maintenance.

Drivers Benefit Because they are more comfortable and safer driving ATI equipped trucks. Efficiency is increased, fatigue decreased.

The Public Benefits Because ATI Mufflers return peace and quiet to cities, towns—comply with noise abatement laws. Mufflers don't have to be noisy!

If your supplier does not yet have information on the ATI line, write, wire or call us direct. We'll get details to you at once!

Some territories still open for jobbers and distributors. Write for information.

ATI ALEXANDER-TAGG INDUSTRIES, INC.

Manufacturers of Replacement Mufflers and Dual Wheel Dollies

HATBORO, PA. OSborne 5-7200

November Roundup

E. George Siedle, left, being sworn in as Assistant Postmaster General in charge of the Post Office's Bureau of Transportation by Postmaster General Summerfield early last month. He was Armstrong Cork Co. traffic manager

Association Elections

State truck association elections held recently include:

Connecticut: President—Paul Schuster (Schuster's Express, Inc.); First Vice President—John Hyland (Hartford Despatch and Storage Co.); Second Vice President—Richard McCusker (Rapid Transit Co.); and Treasurer—Harold J. Horan (Crowe and Co., Inc.).

Iowa: President — E. W. Harlan (Bruce Motor Freight, Inc.); Vice President — Don Maurer, ATA Vice President—Ray A. Brown (Meadows Transfer); and Treasurer — John Ruan (Ruan Transport).

Kansas: President—Mark Robeson (Yellow Transit Freight Lines); First Vice President — Walter J. Young (Western Star Trucking); Second Vice President—Noal Albert (Luper Transportation Co.); ATA Vice President—R. C. Williams (R. C. Williams, Inc.); and Treasurer—Victor D. Blakely (Blakely and Co.).

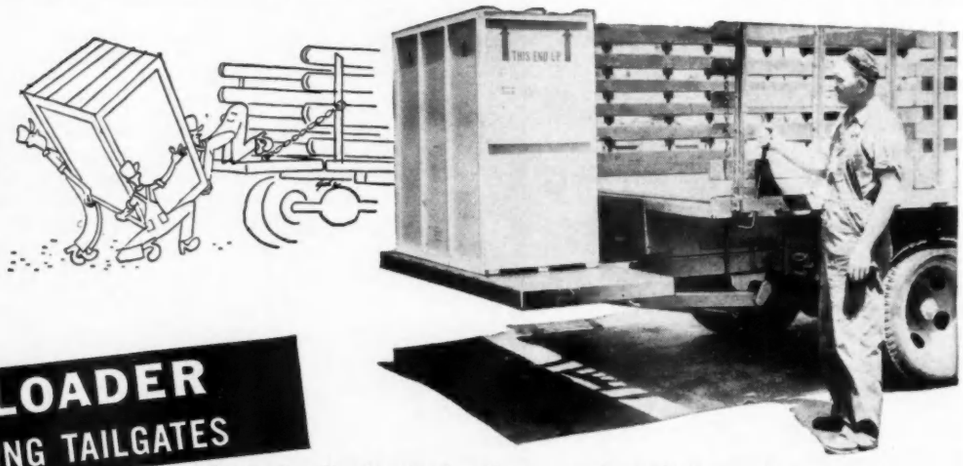
Michigan: President — Gladys M. Wright (Inter-City Trucking Service, Inc.); First Vice President—Larry D. Rahilly (Interstate Motor Freight System); Second Vice President — Frank Baird-Smith (Refiners Transport and Terminal Corp.); Secretary —E. T. Warskow (Lake Shore Motor Transit Lines, Inc.); and Treasurer—Herbert F. Schindler (White Star Trucking, Inc.).

North Carolina: President—W. W. Miller, Jr. (Miller Motor Express, Inc.); First Vice President—A. Earl

(TURN TO PAGE 304, PLEASE)

Cut loading and unloading time in half with

HEILOADER
ELEVATING TAILGATES



- **One man alone can handle loads up to 2000 lbs.**
- **Merchandise damage claims reduced**
- **Fully automatic closing**
- **TRUCKS CAN MAKE MORE DELIVERIES PER DAY**

Smooth, effortless hydraulic power does all the work . . . lowering and raising the platform . . . opening and closing it as a tailgate. With the Heiloader, one man replaces two or three for loading or unloading bulky, heavy merchandise, in less than half the time. These savings in time and labor alone will pay for your Heiloader in a short time and earn a substantial profit by slashing your pick-up and delivery costs up to 50%.

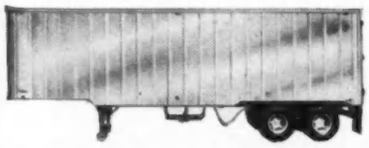
See your Heil distributor today for complete details of exclusive features that make Heiloader the outstanding elevating tailgate.

THE HEIL CO.
Dept. 63114, 3063 W. Montana St., Milwaukee 1, Wis.
Factories: Milwaukee, Wis. — Hillside, N. J.
Heil Sales Offices: New York, Union, N. J., Atlanta, Cleveland, Milwaukee, Chicago, Kansas City, Denver, Dallas, Los Angeles, Seattle
BH-44

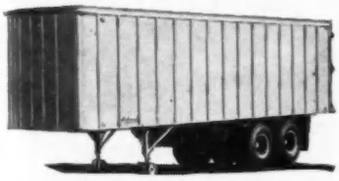
There are Features Galore in the new . . .

Andrews Payloader

3 NEW TRUCK BODIES



NEW "BIG MO" HIGH CUBE



NEW EXTERIOR POST VAN

FAMOUS ALL ALUMINUM

Low in price, low in weight, low in maintenance costs, too! That's Andrews' new 1955 Payloader! Smooth sleek panels of corrugated aluminum prevent rust, save on paint and upkeep. Sturdy steel posts, door frames and floor crossmembers give extra strength and keep prices low, LOW!

Here's further proof the Payloader is a profitable investment:

Lightweight aluminum doors mean no sag. Solid steel door frames prevent wracking. Heavy duty hardware adds years of trouble-free, tight locking operation. Double sealing, removable, extruded rubber door gaskets make it absolutely weathertight.

Write today for a brand new brochure showing Andrews complete line.

ANDREWS INDUSTRIES INC.

P.O. BOX 418 **ST. LOUIS, MO.**

"The Heavy Loads Go On Andrews Aluminum"

November Roundup

Continued from Page 302

Clontz (Fredrickson Motor Express Corp.); Sceond Vice President—S. H. Mitchell (Hennis Freight Lines, Inc.); and ATA Vice President—John M. Akers (Akers Motor Lines, Inc.).

1954 Domestic Truck Factory Sales by G.V.W.*

	5,000 lb. and less	5,001-10,000	10,001-14,000	14,001-16,000	16,001-19,500	19,501-26,000	Over 26,000	Total
January	41,010	15,131	3,323	14,126	2,880	4,006	3,087	83,563
February	34,000	13,585	2,817	11,805	2,716	4,613	2,932	72,468
March	39,232	16,433	3,343	14,774	3,143	4,638	3,591	85,154
April	35,845	15,236	3,288	14,390	2,633	4,545	3,302	79,439
May	33,863	14,298	2,608	12,845	2,742	3,973	3,183	73,712
June	35,744	13,283	2,852	13,278	2,892	3,345	2,924	74,250
July	31,063	10,844	2,675	10,868	2,061	1,955	2,695	62,161
August	29,913	10,265	2,209	10,129	2,810	1,887	3,050	60,263
Total—8 Mos. 1954	280,670	109,075	23,315	102,215	22,077	28,894	24,764	591,010
Total—8 Mos. 1953	356,344	139,480	28,560	104,573	30,177	61,734	31,258	752,126

*—Automobile Manufacturers Association.

New York Inspection

New York state's vehicle inspection law becomes effective May 1, 1955. Operators have until Sept. 1, 1955, to have vehicles inspected to be eligible for 1956 license tags. Fleets with 25 or more vehicles can be authorized as official inspection stations providing they have proper equipment. Applications for approval as an official inspection station must be in before Dec. 1, 1954. Exact details of testing required for the inspection have not, as yet, been determined.

New Mack Trucks

Mack is getting ready to introduce early next year 20 new models including a series of city delivery trucks and tractors and ranging up to large West Coast type tractors.

National Trailer Pool

National Trailer Pool, Inc., has begun operations with some 60 motor freight carriers using the trailer leasing service (Oct., page 20). Leasing of trailers is at present restricted to mid-continent operators, but plans are being made to expand the service on a nation-wide basis. Interested operators can obtain descriptive literature of the four types of participation possible by writing National Trailer Pool, Inc., 3406 University Ave., S.E., Minneapolis, Minn.

Motor Freight Money

According to California Public Utilities Commission figures, it is re-

(TURN TO PAGE 306, PLEASE)

Cut fleet maintenance and repair time in half with...

NEW MODEL "1809" Hypressure JENNY.

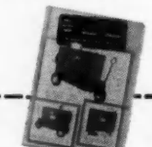
SERIES "1800" HYPRESSURE **Jenny**

STEAM CLEANER and STEAM THORO-PURGE

Cost-conscious Fleet Operators welcome the powerful new Series "1800" Hypressure Jenny Steam Cleaners as the keystone of their fleet maintenance program. Features, such as: output of 180 gallons of boiling hot cleaning solution per hour; capacity for two cleaning guns; finger-tip choice of flushing and rinsing volume up to 480 gallons per hour; automatic electric ignition; and instant steaming, make "1800" Series Jennys the chief cost-cutting tool for your service shop.

With Steam Thoro-Purge, an optional accessory, Jenny will even reverse-flush complete cooling systems (radiator, motor block and heater) and guarantee a better job than you can get by any other method! Let Hypressure Jenny with Steam Thoro-Purge help increase your profits, by cutting fleet maintenance time in half.

For full particulars, **MAIL THE COUPON TODAY**



Without obligation on my part, send full facts about ☐ new Series "1800" Hypressure Jenny; ☐ Steam Thoro-Purge.

NAME_____ TITLE_____

COMPANY_____

ADDRESS_____

CITY_____ STATE_____

HYPRESSURE JENNY DIVISION

HOMESTEAD VALVE MANUFACTURING COMPANY

Serving Since 1892

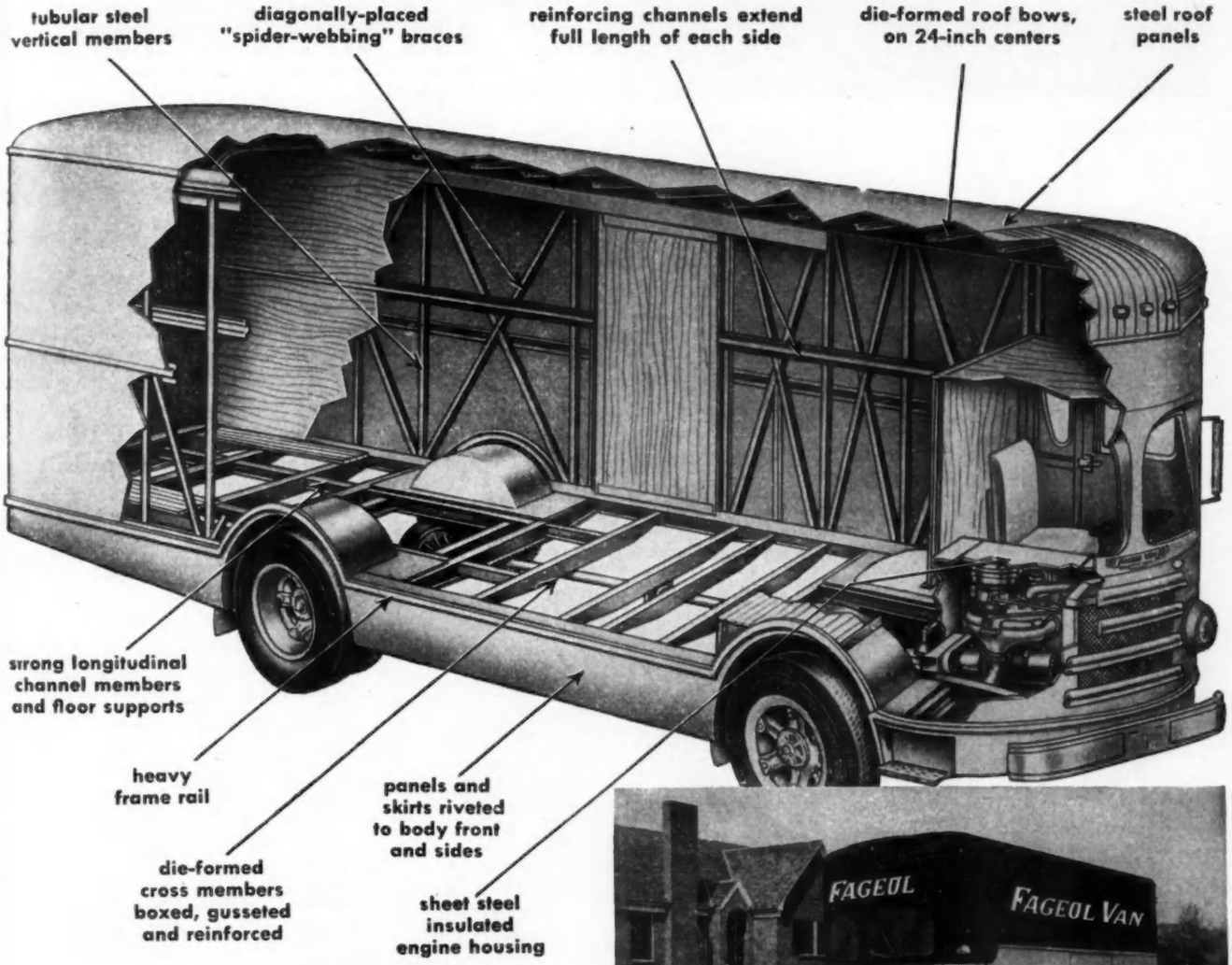
P. O. Box 90 Coraopolis, Pa.

Highway's Square Fronts

All-steel "Clipper," above, illustrates the squared-front styling designed to trim weight while adding cubic capacity in Highway Trailer Company's new models. The new lengths conform to 35-ft overall length requirements, and all physical dimensions comply with AMA-TTMA recommendations. Stress panel construction is still retained, but vertical panels with pressed-in moldings are now used to simplify repair and maintenance.

INTEGRAL DESIGN

MAKES FAGEOL VANS SAFER AND STRONGER!



Ability of Fageol Vans to carry MORE PAYLOAD in trucks of shorter over-all length—their greater strength and safety—lies in Fageol integral design and construction.

The entire Van, including the body, is built as one unit. Every upright and cross member is part of the truck itself, thus creating maximum strength and safety in a vehicle which weighs from 700 to 3,500 lbs. less than other trucks. And—because engine and driver's compartment occupy only 4 ft. of the over-all truck length, 200 to 500 cubic ft. MORE space (than in conventional trucks) is available for payload. A-8805

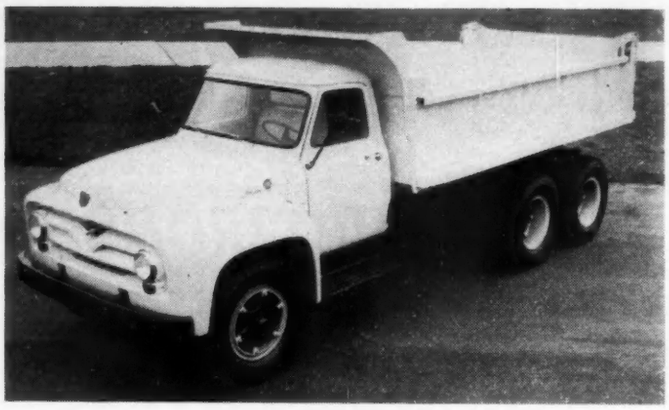
. . . today's best truck investment—more payload in a truck of shorter over-all length.

INTERNATIONAL HARVESTER

FAGEOL VANS are sold by all International Dealers and Branches

for information write to

INTERNATIONAL HARVESTER MOTOR TRUCK SALES DEPT.
180 NORTH MICHIGAN AVENUE • CHICAGO 1, ILLINOIS



New Fords for 1955

One hundred ninety models in 24 series of 1955 Ford trucks ranging from 30-ton, tandem-axle big jobs down to F-100 pick-ups were announced early this month. Five engines, including 6 cyl and V-8 models power the line. Three have increased hp and CR's. The 24 series include: nine conventional, four school bus chassis, six cab forward, two tandem axle, two parcel delivery chassis and a new "Courier" custom delivery styled like the 1955 Ford passenger cars. GVW ratings range from 4000 to 40,000 lb and GCW up to 60,000 lb. The new models feature the new 18 mm "Turbo-Action" spark plugs (page 14, this issue). New 9000-lb capacity front axles are standard on the F- and C-900 series. A new 11,000-lb capacity front axle will be available at extra cost on the T-800 series tandem-axle trucks.

designed for the roughest service you can think of

Specially designed for your kind of service, Tung-Sol Truck Lamps help keep you out of trouble on the road—minimize your lamp bill. Distributors all over the country carry the complete line of Tung-Sol Truck Lamps. There's one near you. Write for his name. If you have a chronic lamp problem, write to:

Tung-Sol Electric Inc., Newark 4, N. J.

Sales Offices: Atlanta, Chicago, Columbus, Culver City (Los Angeles), Dallas, Denver, Detroit, Newark, Philadelphia, Seattle.

TUNG-SOL 50 YEARS ACHIEVEMENT

TUNG-SOL®
Dependable
TRUCK LAMPS

November Roundup

Continued from Page 304

ported that motor carriers collect 81 per cent of all money paid for California intrastate freight hauling. About 18 per cent goes to the railroads and about ½ per cent to water carriers. Of a total intrastate freight bill of $539 million, motor carriers collected $438 million.

1954 Truck Trailer Shipments

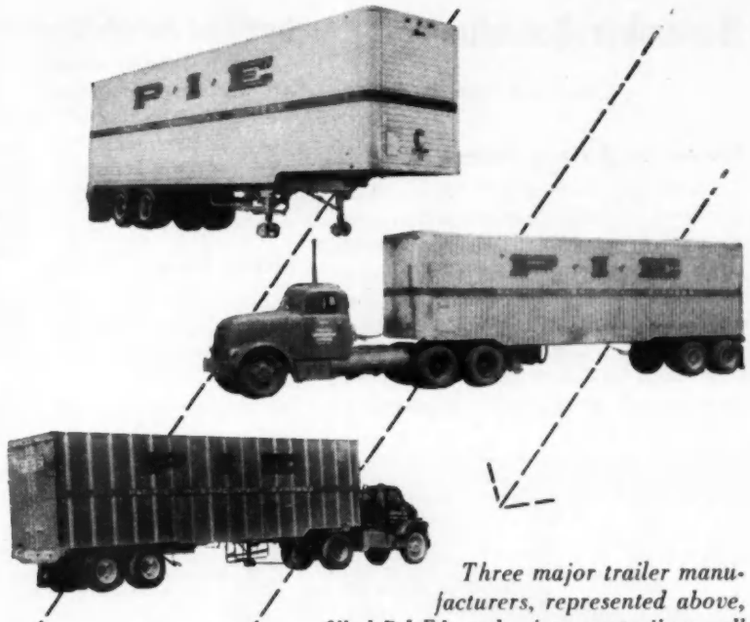
	August	Eight Months
Vans:		
Insulated and refrigerated:		
Steel	81	502
Aluminum	358	2,213
Furniture:		
Steel / Aluminum	70	839
All other closed-top vans:		
Steel	507	4,017
Aluminum	1,060	6,252
Open-top:		
Steel	71	659
Aluminum	86	631
Total—Vans	2,233	15,113
Tanks:		
Petroleum	505	3,563
All other	47	509
Total—Tanks	552	4,072
Pole, Pipe and Logging:		
Single Axle	41	402
Tandem Axle	45	502
Total	86	904
Platforms:		
Racks, livestock and stake	84	504
Grain bodies	58	427
Platforms (flats), all types	525	3,361
Total—Platform	667	4,292
Low-bed heavy haulers	146	2,480
Dump trailers	79	662
All other trailers	167	6,978
Total—Complete Trailers	3,932	34,501
Chassis only	159	1,631
Total—Trailers and Chassis	4,091	36,132

N. Y.-Albany Trailership

American & Overseas Chartering Corp., New York City, operators of two converted LST's hauling motor carrier trailers between New York City and Albany via the Hudson river, has reported that it is now operating profitably with 17 truck lines using the service.

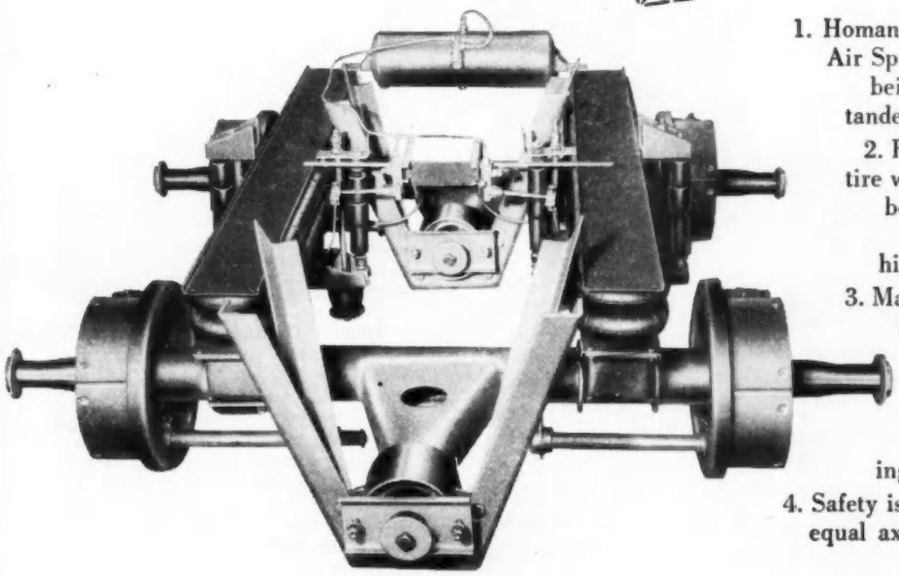
(TURN TO PAGE 308, PLEASE)

P.I.E. STANDARDIZES ON HOMAN TANDEM INCORPORATING THE GENERAL AIR SPRING



476 NEW "HIGH-CUBAGE" TRAILERS NOW OFFER "AIR-BORNE FREIGHT"

Three major trailer manufacturers, represented above, filled P.I.E.'s order for new trailers—all equipped with Homan Air-Ride Tandems.



HERE ARE SOME OF THE REASONS WHY PACIFIC INTERMOUNTAIN EXPRESS SPECIFIED HOMAN TANDEMS:

1. Homan Tandems, incorporating the General Air Spring, allow 300 pounds extra payload, being that much lighter than the average tandem for trailers.
2. Reduced operating costs and improved tire wear result from spring's ability to cut bounce, excess deflection and skidding. Cargo breakage is reduced because high-frequency vibration is eliminated.
3. Maintenance costs are minimum because rubber bumpers prevent bottoming of springs with resulting strains on axles and frame; the air cushion absorbs road shocks that cause metal fatigue; and the rubber mounting requires no lubrication.
4. Safety is improved by positive braking action, equal axle loading and reduced heeling over.

HOW THE SELF-COMPENSATING HOMAN TANDEM WORKS

The two cells, like elongated tires, are constructed of rubber and fabric. Compressed air from tractor compressor tank is fed to cells in amounts and pressures determined by an automatic valve. Valve system maintains constant height between axle and frame regardless of load, and automatically compensates for misloading, shifting loads and high-crowned roads

You'll want to know more about Homan Tandem advantages, so write today for Bulletin HTA-1, which has full information on the Homan Tandem.

HOMAN

and Company, Inc.

READING • CINCINNATI 15, OHIO

Established 1847

November Roundup

Continued from Page 306

Tennessee Safety Patrol

Tennessee Council of Safety Supervisors, an affiliate of the Tennessee Motor Transport Assn., has announced plans to develop a state-wide highway patrol. It would be similar to the plan at present operating in several other states, utilizing truck line highway observers and other interested groups, such as insurance companies.

National Safety Council

Major General George Craig Stewart has been appointed general manager of the National Safety Council. Council President Ned H. Dearborn said that need for the new position was due in part to expanded highway safety activity.

Motor Carrier Rates

Investigation of motor carrier class rates between Middle Atlantic and New England points (MC-C-1600) is booked for hearing at Interstate Commerce Commission on Nov. 29. ICC is studying rates that are 20¢ per 100 lb higher than corresponding rail rates on shipments under 2000 lb and 10¢ per 100 lb higher on shipments between 2000 and 6000 lb.

Brake Report

Bureau of Public Roads' brake performance report is now available in a 170-page booklet. Copies are 55¢ each and can be had by writing Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. Ask for "Braking Performance of Motor Vehicles."

Safety Awards

Fleets honoring their outstanding, safe drivers this past month include:

C. I. Whitten Transfer Co., Huntington, W. Va.—to 26 drivers. Awards were presented at a dinner at which the fleet's general manager told the drivers of the public relations importance of safe driving.

Arrow Transportation Co., Portland, Ore.—to 19 drivers. Total record

(TURN TO PAGE 320, PLEASE)

WESCO TIRE CHAINS

Talk about sailors wives on stormy nights . . .

. . . they have nothing on fleet operators waiting out not only his men and equipment but also his loads, liabilities and delivery schedules.

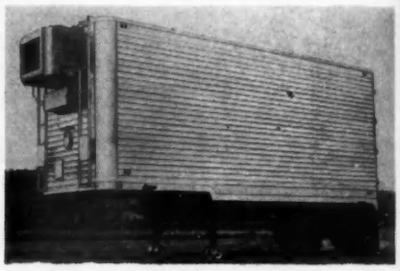
Now is the time to prevent sleepless nights, stomach ulcers and to reduce high financial risks, by making certain each vehicle starts the winter with a set of good properly fitting tire chains.

For extra safety features, easy installations and long wear, standardize on WESCO TIRE CHAINS. There are no better tire chains made.

Write for Catalog Sheets

WESTERN CHAIN COMPANY
1801 BELMONT AVENUE · CHICAGO 13, ILLINOIS

Brown's New H Series



Brown Trailers, Inc., Toledo, Ohio, is beginning production of its new series H line of trailers. All Brown models have been modified for greater cargo capacity and have been re-engineered to take advantage of new overall size regulations. The new series offers exterior post types as well as stressed skin types and includes van semi-trailer models, doubles semi-trailer models and open top models. One dry freight version of Brown's new Model No. VSTH, van semi-trailer, as manufactured for a large western operator, has an air-cushion type of suspension and a sliding running gear. Additional height, for greater capacity, was gained by adoption of new 10:3 x 20 high-load tires. Brown also is building refrigerated versions of the Model No. VSTH.

A Brown Model No. DSTH, doubles semi-trailer (illustrated above) is being built for another large western operator. It is equipped with sidewall type meat rails which are readily removed to permit full use of the trailer's high cubic capacity. Brown also is building a dry freight version of the new Model No. DSTH which is equipped with a mechanically operated automatic landing gear.